



SHOP OPERATIONS



SSGT LACHANCE



WIIFM



- During this week of instruction you will be introduced to the items that an operator will utilize and come into contact with on a daily basis while completing his/her mission as a basic, heavy equipment operator.



OVERVIEW



- Ground Equipment Records and Forms
- Tools and Materials
- Safety Information
- Operational Risk Management



LEARNING OBJECTIVES



- Terminal Learning Objective

Provided references, facilities, forms, personnel, tools and engineer equipment, conduct shop operations to maintain unit readiness without injury to personnel or damage to equipment.

(5-ADMIN-1002)



LEARNING OBJECTIVES

- Enabling Learning Objective

Given technical manual short titles, and without the aid of reference, identify the four elements of a short title per MCO P4790.2C.



LEARNING OBJECTIVES



- Enabling Learning Objective

With the aid of reference, identify lubrication orders utilized in the maintenance and operation of engineer equipment per TM-09135C-OR/A.



LEARNING OBJECTIVES

- Enabling Learning Objective

Without the aid of reference, identify the levels of maintenance per MCO P4790.2C.

Without the aid of reference, identify petroleum, oils, and lubricants (POL) utilized in the maintenance and operation of engineer equipment per the Student handout.



LEARNING OBJECTIVES



- Enabling Learning Objective

Without the aid of reference, identify tools utilized in the maintenance and operation of engineer equipment per the SL-3-11825A.



LEARNING OBJECTIVES

- Enabling Learning Objective

Without the aid of reference, select the correct records and forms per the TM 4700-15/1_.

Without the aid of reference, identify the levels of operational risk management per the MCO 3500.27.



METHOD AND MEDIA



- Informal Lecture Method
- Power Point
- Student Handout
- Technical Manual
- Lubrication Order



ADMINISTRATIVE INSTRUCTIONS



- Complete IRF's following the POI





EVALUATION



- On the 5th training day there will be a 25 question written performance exam utilizing a LO.



SAFETY

- IF AT ANYTIME THERE IS A FIRE MAKE YOUR WAY OUT THE BACK DOOR AND GET IN FORMATION BY THE OAK TREES FOR ACCOUNTABILITY AND FURTHER WORD TO BE PASSED.
- IF WE SHOULD HAVE INCLEMENT WEATHER STAY IN THE CLASSROOM AND WAIT FOR FURTHER INSTRUCTIONS.



TECHNICAL MANUALS



OVERVIEW



- Characteristics of TM's
- Accessing the information contained in a TM



PURPOSE

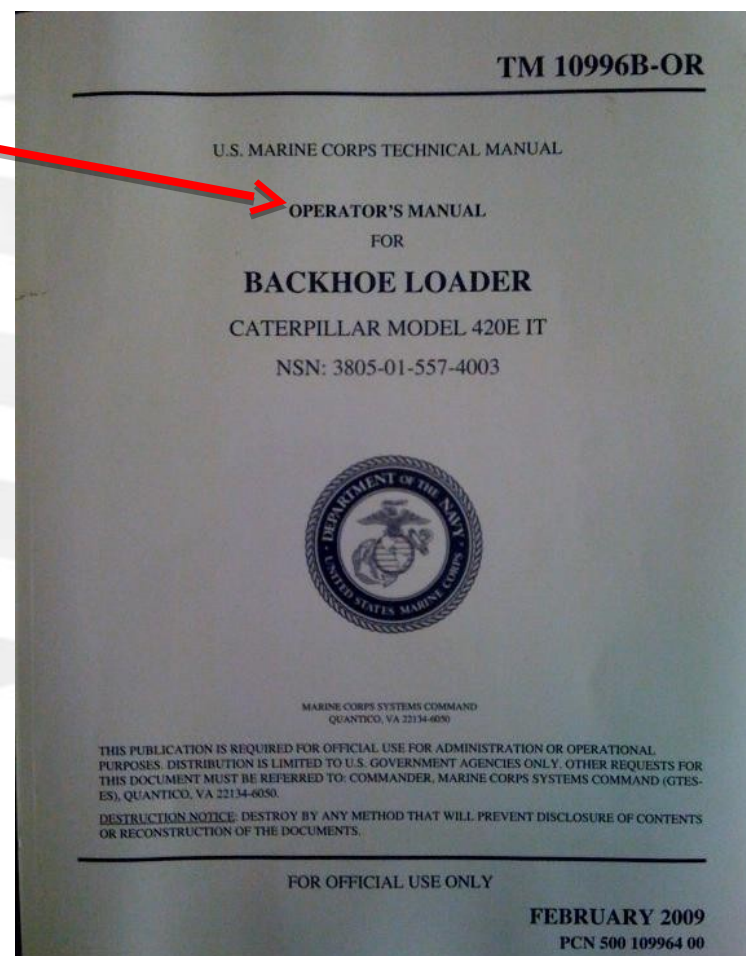
- Characteristics
- Capabilities
- Specifications
- Maintenance
- Emergency operations
- Operation
- Safety practices



COVER LAYOUT



- Type of publication
- Long title
- Model designation
- National stock number (NSN)
- Date of publication
- Short title

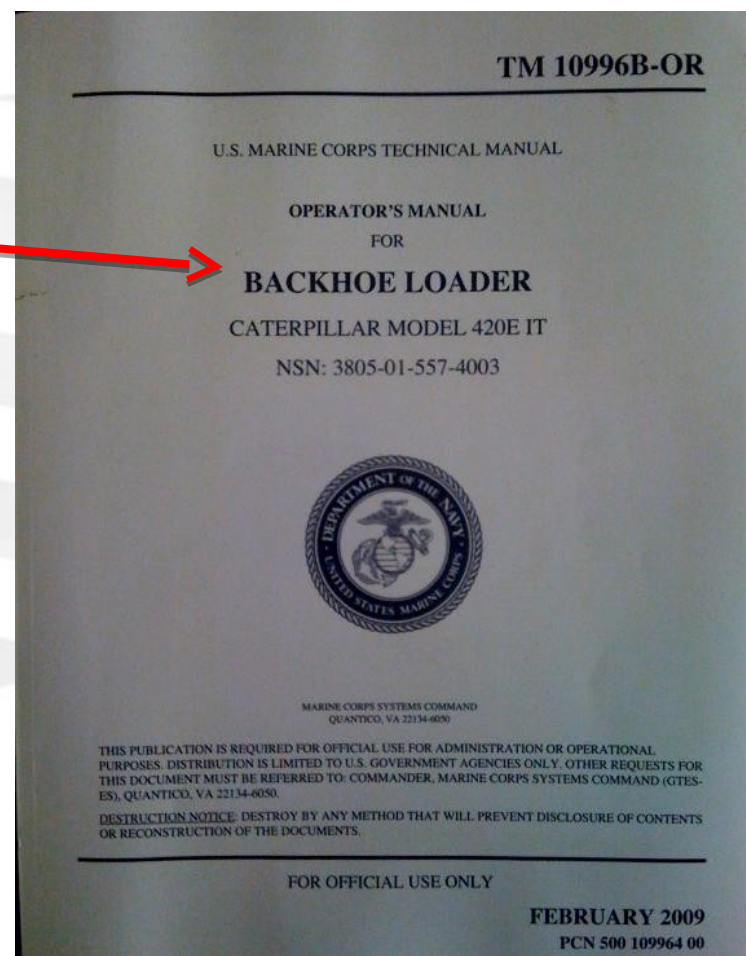




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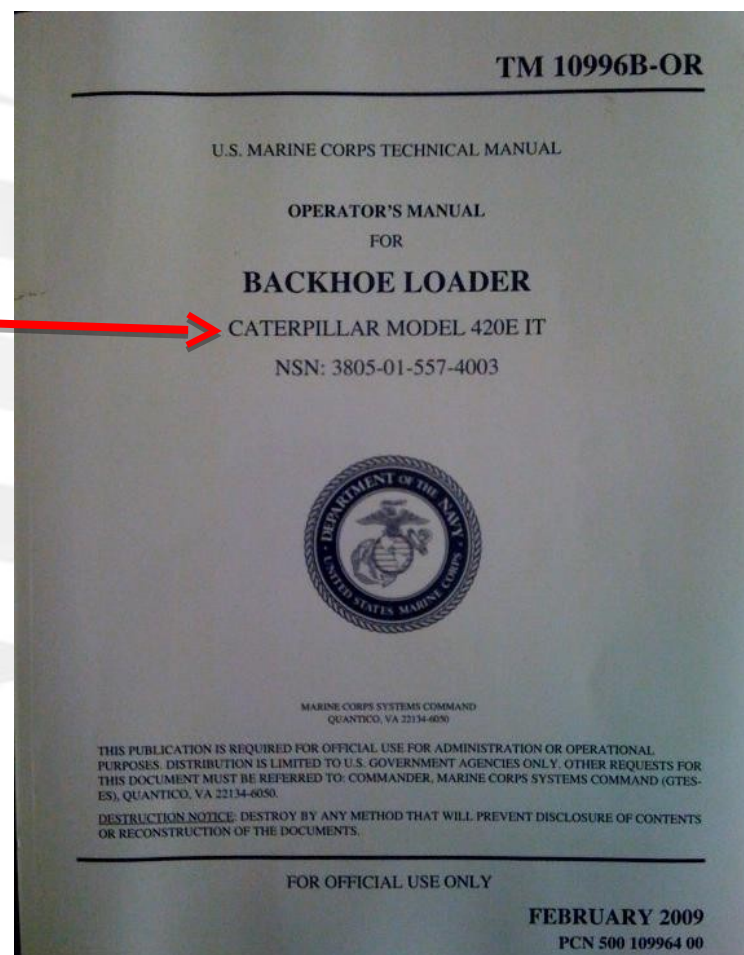




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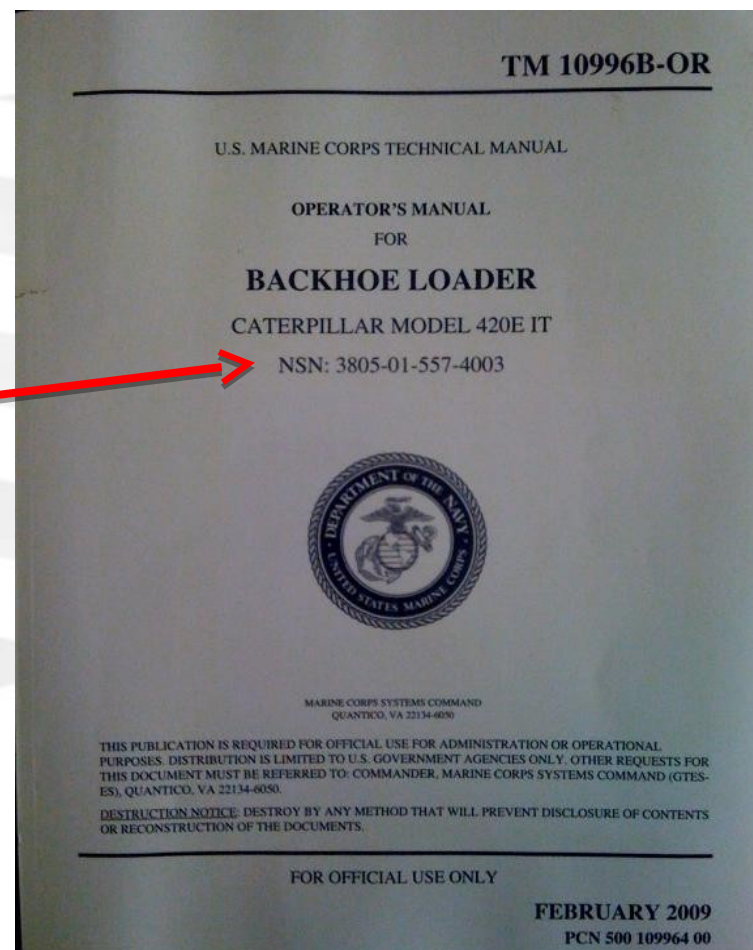
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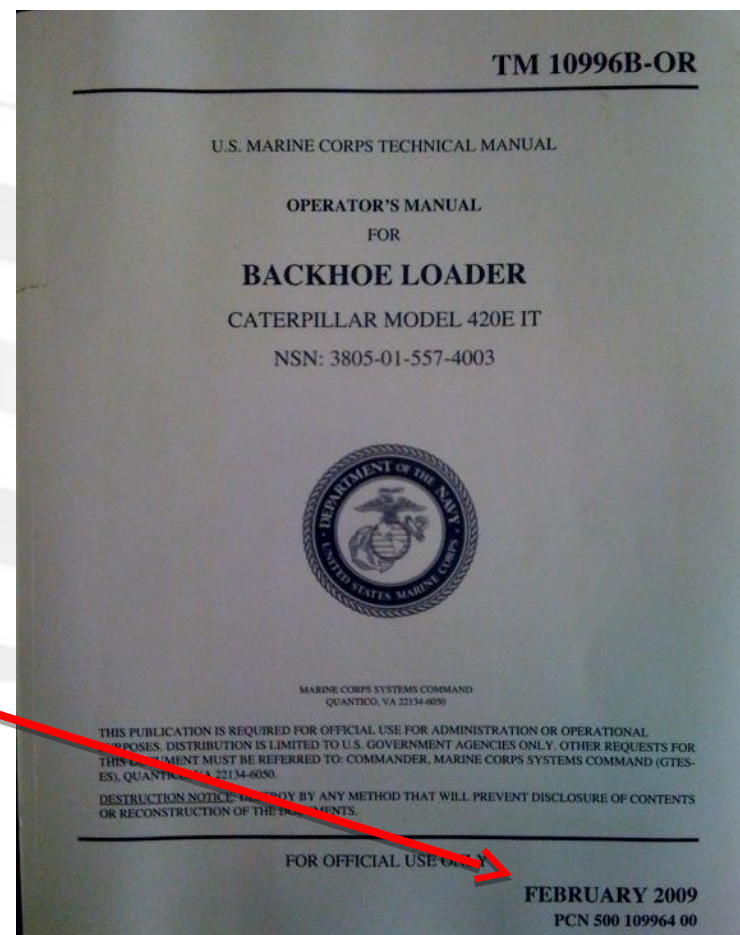




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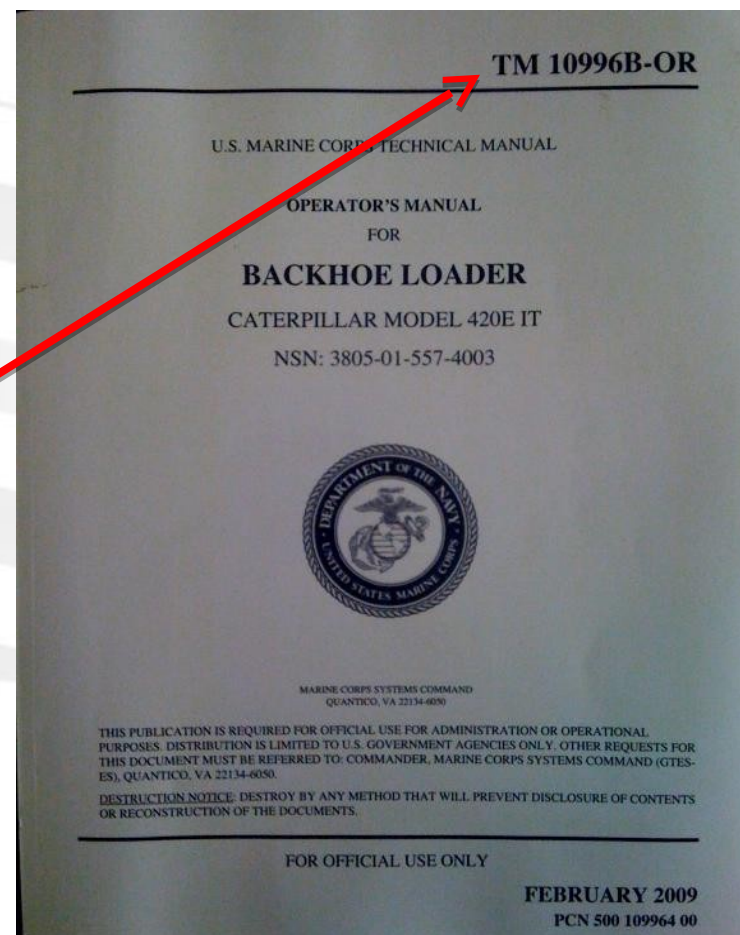




COVER LAYOUT



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SHORT TITLE



TM 10996B - 24/2

- “TM” indicates the type of manual
 - TM = Technical Manual
 - UM = Users Manual
 - LO = Lubrication Order
 - TI = Technical Instruction, etc.



SHORT TITLE



TM 10996B - 24/2

- “09135”
 - End item ID number
 - Designator number



SHORT TITLE



TM 10996B - 24/2

- “B”
 - End item model



SHORT TITLE



TM 10996B - 24/2

- “24”
 - Echelons of maintenance
 - 2nd thru 4th



SHORT TITLE



TM 10996B - 24/2

- "2"
 - Volume number



QUESTIONS?



10 min break



ECHELONS OF MAINTENANCE



OVERVIEW



- Echelons
- Levels of Maintenance
- Operator Responsibilities



ECHELONS OF MAINTENANCE



- Past
 - 1st Echelon (Operator)
 - 2nd, 3rd, 4th, 5th Echelon (Maintainers)



ECHELONS OF MAINTENANCE



- Organizational – maintenance performed by the trained operator I.A.W T&R standards
 - Cleaning
 - Inspecting
 - Preserving
 - Lubricating
 - Adjusting



ECHELONS OF MAINTENANCE



- Intermediate – Maintenance actions performed by specialty trained personnel normally in support of using organizations.
 - Calibration
 - Repair
 - Replacement
 - unserviceable parts, components or assemblies



ECHELONS OF MAINTENANCE



- Depot – Maintenance performed on material requiring major overhaul or complete rebuild of parts, subassemblies, assemblies or end items.



QUESTIONS?



10 min break



Lubrication Order



OVERVIEW



- Characteristics of a Lubrication Order
- Utilization of a Lubrication Order



PURPOSE



- Characteristics
- Contents
- Utilization



LUBRICATION INSTRUCTION /ORDER

- LO
 - Contained in the 1st echelon manual
 - Separate publication
 - Utilized to complete PMCS



LUBRICATION INSTRUCTION /ORDER

- LO
 - Contents
 - Interval -The frequency in which the item is maintained.
 - Item - The item on the equipment, which is to be maintained.
 - Maintenance points - This is the number of places where the listed item can be found.



10 min break



LUBRICATION INSTRUCTION /ORDER

- LO
 - Also Contains
 - Description- This tells the operator the required maintenance action.
 - Material - This tells the operator what material, if any, is required for a particular item.
 - Recommended lubricants - This area tells the operator the lubricants required to complete PMCS



LUBRICATION INSTRUCTION /ORDER

- LI & LO's
 - Lubrication Instruction may differ in layout
 - Contains similar information as the Lubrication Order



QUESTIONS?



SUMMARY



- Characteristics of a LO
- How to utilize a LO
- Reference is Power



10 min break



PETROLEUM, OIL AND LUBRICANTS (POL'S)



OVERVIEW



- Purpose
- Characteristics
- Function
- Identification



POL



- **Lubricants**

- **Solid / liquid**

- **Reduces friction**

- **Reduces wear**

- **Distribute heat**



POL



- Classifying Oils
- Oils are classified by their Viscosity
 - Viscosity = Thickness
 - The higher the viscosity the thicker the Oil
 - “Example” - 70w has a higher viscosity (or thickness) than 10w



POL



- MULTI VISCOSSE OIL'S –
- 15w40 – is an example of a multi viscose oil. This means that the oil has a viscosity of 15, but when heated up it thickens to a viscosity of 40.




OPERATOR RESPONSIBILITIES



- Accountable for proper lubrication
 - Operator's are held responsible for
 - Malfunctions
 - Damage
 - Production loss



POL



Common POL's UTILIZED IN Engineer Equipment



POL



- Oil, Engine (OE)
 - Lubricates internals
 - Improves sealing
 - Dissolves Contaminates
 - Stops corrosion
 - Removes heat



POL



- Oil, Engine (OE)
 - Lubricates internals
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 - Removes heat



POL



- 15w40
- 1qt - 55gal
- Technical Manual





POL



- Hydraulic Oil (HDO)
 - Transfers engine power
 - Hydraulic cylinders
 - Hydraulic motors



POL



- 10w
- 1qt - 55gal
- Technical Manual





10 min break



POL



- Transmission Fluid
 - A special hydraulic fluid sent under pressure by the transmission's internal oil pump through the valve body to control the clutches and the bands in order to control the planetary gear sets inside the transmission.



POL



- Transmission Fluid

- Light HDO
 - 10w
- Full Synthetic
 - Dextron V
- OEM Specifications per TM





POL



- Transmission Fluid
 - Packaging similar to OE/HDO
 - 1qt - 55gal



POL



- Gear Oil (GO)
 - Manual transmissions
 - Transfer cases
 - Planetary gear hubs
 - Differentials



POL



- Gear Oil (GO)
 - Manual transmissions
 - Transfer cases
 - Planetary gear hubs
 - Differentials



POL



- Gear Oil (GO)
 - Manual transmissions
 - Transfer cases
 - Planetary gear hubs
 - Differentials



POL



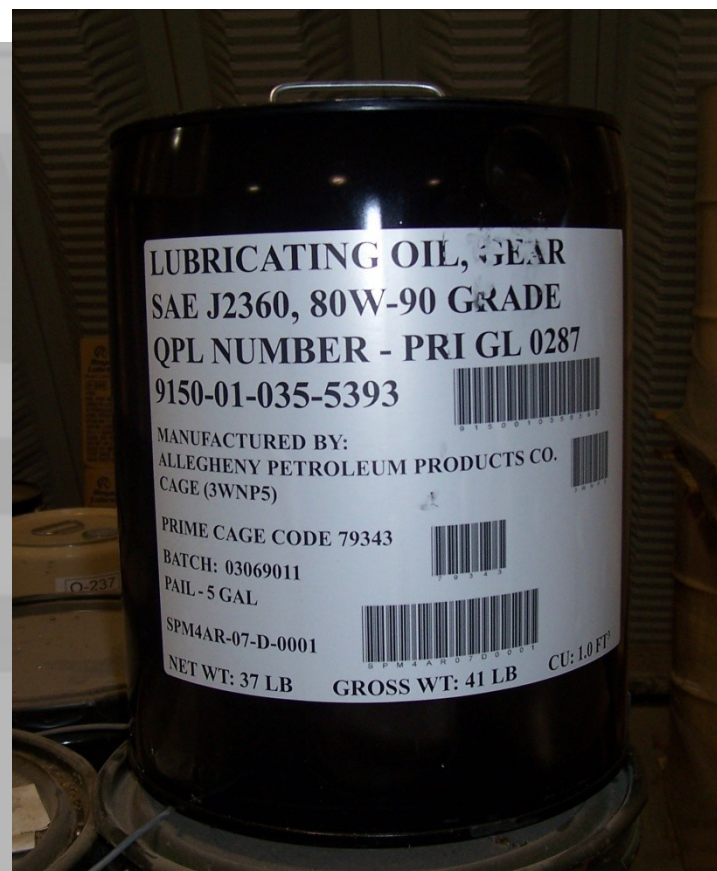
- Gear Oil (GO)
 - Manual transmissions
 - Transfer cases
 - Planetary gear hubs
 - Differentials



POL



- High Viscosity
 - 75w – 140w
- 80w90
 - Most common





POL



- Grease Artillery Automotive (GAA)
 - A thick viscous substance used to lubricate metal on metal contact
 - Primary grease used externally on equipment pivot points



POL



- **Grease Point**
 - Lubes pivot point

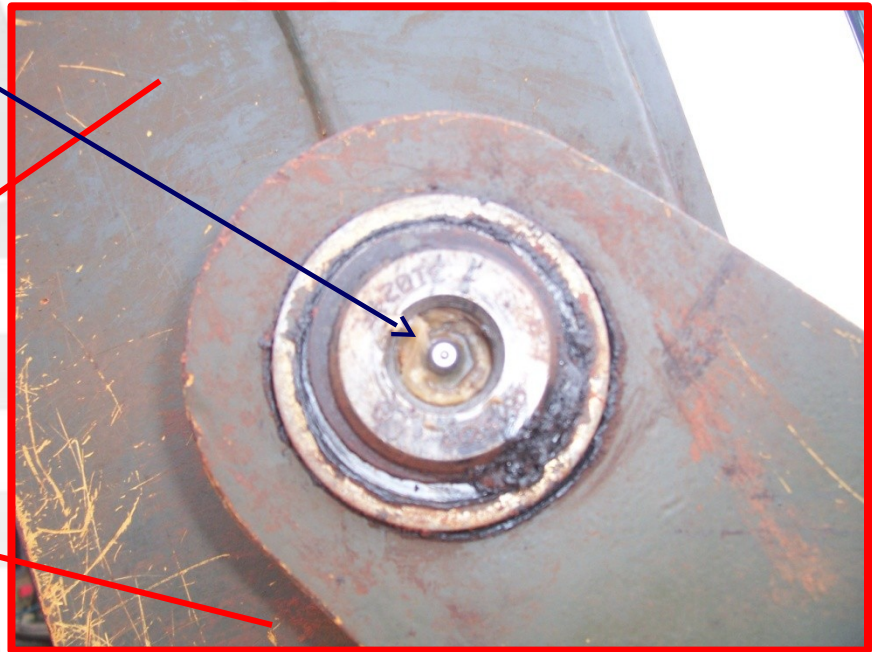




POL



- Grease zerk fitting





POL



35 lb



Grease Tube





POL



- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix



POL



- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system - Radiator
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix



POL



- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix



POL



- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix



POL



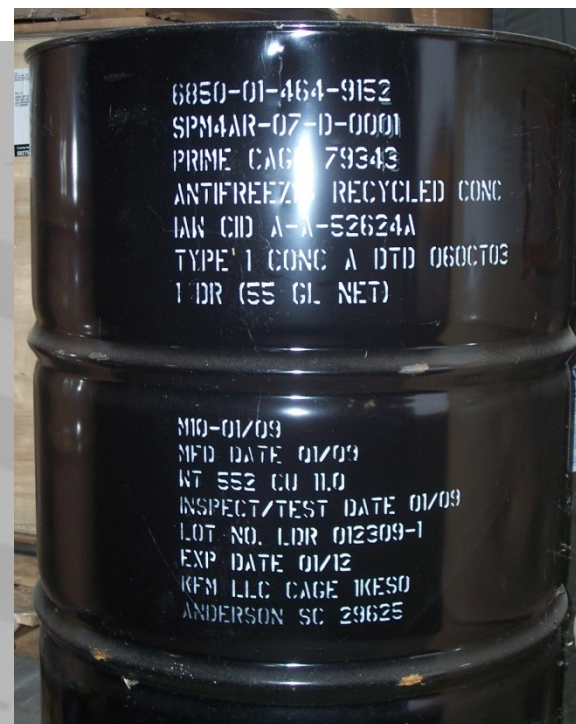
- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix



POL



- Antifreeze
 - Ethylene Glycol
 - Vehicle cooling system
 - Raises boiling point
 - Reduces freezing point
 - 50/50 ratio
 - Operator is responsible for pre mix





POL



- Antifreeze
 - Extended Life Coolant (ELC)
 - Longer service life
 - Reduced Corrosion
 - Do not mix or dilute
 - See TM



QUESTIONS



10 min break



POL Shed Demonstration



TOOLS



OVERVIEW



- Purpose
- Identification
- Proper use



TOOLS



- **General Mechanic's Toolbox**
 - Operator/Mechanic
 - Organizational Level Maintenance





TOOLS CONT.



- **B.O.B.**

- Basic Operators Bag
- Organizational Level Maintenance





10 min break



GMTB / BOB Demonstration



QUESTIONS



SUMMARY



- Purpose
- Identification
- Proper Use

!!Use the right Tool for the right job!!



U.S.ARMY



SO EASY A CAVEMAN CAN DO IT.



REGISTERED TRADEMARK



10 min break



GROUND EQUIPMENT RECORDS AND FORMS



OVERVIEW



- NAVMC 10523
- NAVMC 10524
- SF 91
- SF 94
- DD 518



RECORDS AND FORMS



- Uses
 - Implementation, accountability, readiness of operators and equipment IOT complete the engineering mission.



**ENGINEER EQUIPMENT OPERATIONAL
RECORD
NAVMC 10523
(TRIP TICKET)**



OVERVIEW



- Trip ticket
 - Implementation
 - Purpose
 - Dispatcher Responsibilities
 - Operator Responsibilities
 - Characteristics
 - Preparation



PURPOSE

- Authority to operate a piece of equipment on an assigned mission.
- Checklist for conducting daily PMCS.
- Recording mileage or hours for equipment operation so that PMCS may be scheduled.
- Need not be prepared when equipment has an ERO submitted, or is operated in the motor pool.



TRIP TICKET





TRIP TICKET





TRIP TICKET





TRIP TICKET





TRIP TICKET





TRIP TICKET





TRIP TICKET





TRIP TICKET (FRONT)



DATE		EQUIPMENT				USMC OR SERIAL NO.		ORGANIZATION				
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)			
	1ST OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	WORK PERFORMED		1ST OPERATOR									
		2ND OPERATOR										
SERVICE	FUELS		LUBES			OIL CHANGE		LUBRICATION		PM SERVICE		
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
REMARKS									1ST OPERATOR'S SIGNATURE			
									2ND OPERATOR'S SIGNATURE			
									EQUIPMENT FOREMAN'S SIGNATURE			
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TRIP TICKET (BACK)



DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



Dispatcher Responsibilities



DISPATCHER RESPONSIBILITIES



“Mission Data”



DISPATCHER RESPONSIBILITIES



- Date

DATE		091015				EQUIPMENT				USMC OR SERIAL NO.		ORGANIZATION	
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)				
	1ST OPERATOR		IN		STOP								
	DISPATCHER'S SIGNATURE		OUT		START								
			TOTAL		TOTAL								
	2ND OPERATOR		IN		STOP								
	DISPATCHER'S SIGNATURE		OUT		START								
			TOTAL		TOTAL								
	WORK PERFORMED		1ST OPERATOR										
2ND OPERATOR													
SERVICE	FUELS		LUBES			OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED	
REMARKS										1ST OPERATOR'S SIGNATURE			
										2ND OPERATOR'S SIGNATURE			
										EQUIPMENT FOREMAN'S SIGNATURE			
ENGINEER EQUIPMENT OPERATIONAL RECORD													

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DISPATCHER RESPONSIBILITIES

- Date
- Equipment

DATE 091015		EQUIPMENT LCRTF		USMC OR SERIAL NO.		ORGANIZATION					
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)		
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	DISPATCHER'S SIGNATURE		OUT		START						
			TOTAL		TOTAL						
	2ND OPERATOR		IN		STOP						
	DISPATCHER'S SIGNATURE		OUT		START						
			TOTAL		TOTAL						
	WORK PERFORMED		1ST OPERATOR								
		2ND OPERATOR									
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE		
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE
REMARKS										1ST OPERATOR'S SIGNATURE	
										2ND OPERATOR'S SIGNATURE	
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DISPATCHER RESPONSIBILITIES



- Date
- Equipment
- Serial #

DATE		091015		EQUIPMENT		LCTRF		USMC OR SERIAL NO.		627445		ORGANIZATION	
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)				
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	DISPATCHER'S SIGNATURE		OUT		START								
			TOTAL		TOTAL								
	2ND OPERATOR		IN		STOP								
	DISPATCHER'S SIGNATURE		OUT		START								
			TOTAL		TOTAL								
	WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR											
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE				
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED	
REMARKS										1ST OPERATOR'S SIGNATURE			
										2ND OPERATOR'S SIGNATURE			
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DISPATCHER RESPONSIBILITIES



- Date
- Equipment
- Serial #
- Organization

DATE		091015		EQUIPMENT		LCTRF		USMC OR SERIAL NO.		627445		ORGANIZATION		MarCorDet	
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)				RELEASED BY (Signature - Time)				
	1ST OPERATOR		IN		STOP										
	DISPATCHER'S SIGNATURE		OUT		START										
			TOTAL		TOTAL										
	2ND OPERATOR		IN		STOP										
	DISPATCHER'S SIGNATURE		OUT		START										
			TOTAL		TOTAL										
WORK PERFORMED		1ST OPERATOR													
		2ND OPERATOR													
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE						
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED			
REMARKS										1ST OPERATOR'S SIGNATURE					
										2ND OPERATOR'S SIGNATURE					
										EQUIPMENT FOREMAN'S SIGNATURE					

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DISPATCHER RESPONSIBILITIES



- Date
- Equipment
- Serial #
- Organization
- 1st Operator

DATE 091015		EQUIPMENT LCTRF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)			RELEASED BY (Signature - Time)		
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	WORK PERFORMED		1ST OPERATOR									
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED
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ENGINEER EQUIPMENT OPERATIONAL RECORD												

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DISPATCHER RESPONSIBILITIES



- Date
- Equipment
- Serial #
- Organization
- 1st Operator
- Time Out

DATE 091015		EQUIPMENT LCTRF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)			RELEASED BY (Signature - Time)		
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT	0730	START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED
REMARKS										1ST OPERATOR'S SIGNATURE		
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										EQUIPMENT FOREMAN'S SIGNATURE		

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DISPATCHER RESPONSIBILITIES

- Date
- Equipment
- Serial #
- Organization
- 1st Operator
- Time Out
- Disp. Sign

DATE 091015		EQUIPMENT LCTRF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)			RELEASED BY (Signature - Time)		
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP							
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



DISPATCHER RESPONSIBILITIES

- Date
- Equipment
- Serial #
- Organization
- 1st Operator
- Time Out
- Disp. Sign
- Report To

DATE 091015		EQUIPMENT LCTRF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)			RELEASED BY (Signature - Time)		
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP		Location the Operator is to report to					
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



DISPATCHER RESPONSIBILITIES

- Date
- Equipment
- Serial #
- Organization
- 1st Operator
- Time Out
- Disp. Sign
- Report To
- Org PMCS

DATE 091015		EQUIPMENT LCRTF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)			RELEASED BY (Signature - Time)		
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP		Location the Operator is to report to					
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START							
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



10 min break



Operator Responsibilities



OPERATOR RESPONSIBILITIES



- Complete blocks pertaining to operation and maintenance of the equipment.
- Complete blocks pertaining to daily PMCS
 - Operator will treat and conduct 8 or 10 hour PMCS, recommended by the manufacture in the appropriate TM, as daily PMCS.
- Forward the completed NAVMC 10523 to the dispatcher.



OPERATOR RESPONSIBILITIES



Before Operations



OPERATOR RESPONSIBILITIES

- Hours/Mile S
- Hr Meter

DATE 091015		EQUIPMENT LCRTF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)			
	1ST OPERATOR Pile, Jimmy, Bob		IN		STOP		Location the Operator is to report to					
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



OPERATOR RESPONSIBILITIES



- Legend
 - Actions to be taken
- Operation
 - when to do it
 - Before, During, After
- Item #
 - What is being checked, serviced, etc.
- Remarks
 - List of discrepancies

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM #	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Check - The act of inspecting or testing, as for accuracy or quality

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	*TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Service - To make fit for use; adjust, repair, or maintain

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust	S — Service	X — Adjustment/Repair Required				
C — Check	V — Verify	O — Defect Corrected				
L — Lubricate	/ — Not applicable					
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Verify - to establish the truth, accuracy, or reality of

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Not applicable – not capable of or suitable for being applied

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Adjustment / Repair required – in need of 2nd echelon or higher maintenance

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Adjustment / Repair required – in need of 2nd echelon or higher maintenance

– Detailed description

- Item #
- What
- Where

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust	S — Service	X — Adjustment/Repair Required				
C — Check	V — Verify	O — Defect Corrected				
L — Lubricate	/ — Not applicable					
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Defect Corrected – fixed before the closing of the 10523

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

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OPERATOR RESPONSIBILITIES



- Legend
 - What to do
- Operation
 - When to do it
 - Before, During, After
- Item #
 - What is being checked, serviced, etc.
- Remarks
 - List of discrepancies

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Legend
 - what to do
- Operation
 - when to do it
 - Before, During, After
- Item #
 - What is being checked, serviced, etc.
- Remarks
 - List of discrepancies

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Legend
 - what to do
- Operation
 - when to do it
 - Before, During, After
- Item #
 - What is being checked, serviced, etc.
- Remarks →
 - List of discrepancies

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Before checks
 - Completed before leaving motor pool
- Example

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Before checks
 - Completed before leaving motor pool
- Example
 - Item 1

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Before checks
 - Completed before leaving motor pool
- Example
 - Item 1
 - Before Operation

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	*TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Before checks
 - Completed before leaving motor pool
- Example
 - Item 1
 - Before Operation
 - Check

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARNING	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Before checks
 - Completed before leaving motor pool
- Example
 - Item 1
 - Before Operation
 - Check
 - Damage, Pilferage, or Loss

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	*TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Found
 - Damage, Pilferage, or Loss

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Found
 - Damage, Pilferage, or Loss
 - ADJ / RPR Req.

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

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OPERATOR RESPONSIBILITIES



- Found
 - Damage, Pilferage, or Loss
 - ADJ / RPR Req.
 - “ X ” the box

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	X		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- Found
 - Damage, Pilferage, or Loss
 - ADJ / RPR Req.
 - “ X ” the box
 - Detailed description

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	X		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

1) Fender missing, right, front



OPERATOR RESPONSIBILITIES



- None Found
 - Damage, Pilferage, or Loss

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- None Found
 - Damage, Pilferage, or Loss
 - Initial box

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	KSF		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO _____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- None Found
 - Damage, Pilferage, or Loss
 - Initial box
 - Move to next Item and repeat

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	KSF		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS

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OPERATOR RESPONSIBILITIES



During Operations



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example
 - During

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example
 - During
 - Item 5

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example
 - During
 - Item 5
 - Check

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example
 - During
 - Item 5
 - Check
 - YES
 - NO

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	/			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	*TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation
- Example
 - During
 - Item 5
 - Check
 - YES
 - NO

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	X			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS

5) Tachometer INOP



OPERATOR RESPONSIBILITIES



- During checks
 - Completed during equipment operation

- Example

- During
- Item 5
- Check
- YES
- NO

- Move to next Item and repeat

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	X			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	*TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS

5) Tachometer INOP



10 min break



OPERATOR RESPONSIBILITIES



After Operations



OPERATOR RESPONSIBILITIES



- Released By
 - Signed by mission supervisor

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)				
	1ST OPERATOR		IN		STOP		Location the Operator is to report to	> Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE		OUT	0730	START	423						
	Kenneth Fissette		TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED	1ST OPERATOR											
	2ND OPERATOR											
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
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OPERATOR RESPONSIBILITIES



- After checks
 - Completed before returning the 10523 to the dispatcher
- Example

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- After checks
 - Completed before returning the 10523 to the dispatcher
- Example
 - After

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C		C		
2	LEAKS, GENERAL	S		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V		S		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- After checks
 - Completed before returning the 10523 to the dispatcher
- Example
 - After
 - Item 20

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- After checks
 - Completed before returning the 10523 to the dispatcher
- Example
 - After
 - Item 20
 - Service

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO _____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/	S		
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS



OPERATOR RESPONSIBILITIES



- After checks
 - Completed before returning the 10523 to the dispatcher
- Example
 - After
 - Item 20
 - Service
 - Clean Filter
 - Move to next Item and repeat

DAILY "A" PM SERVICE						
Legend for marking						
A — Adjust		S — Service		X — Adjustment/Repair Required		
C — Check		V — Verify		O — Defect Corrected		
L — Lubricate		/ — Not applicable				
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C	/	C		
2	LEAKS, GENERAL	C	/	C		
3	FUEL, OIL, WATER	V	/	S		
4	ENGINE WARMUP	C	/			
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C	/			
7	TOOLS AND EQUIPMENT	C	/			
8	PUBLICATIONS	V	/			
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION	/	C	/		
12	UNUSUAL NOISES	C	C	/		
13	LIGHTS AND REFLECTORS	C	/			
14	AIR TANKS	S	/	S		
15	DRIVE BELTS	C	/	C		
16	BATTERY ELEC. LEVEL	C	/	S		
17	ANTIFREEZE TEST TO ____ ° F	V	/			
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	/			
21	FUEL FILTERS	S	/	S		
22	TIRES/TRACK	C	/	C		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services
3. If repairs are required, notify the equipment chief.

REMARKS

(A blue arrow points from the text 'Clean Filter' in the example list to item 20 'AIR FILTER' in the table, which has 'KSF' written next to it.)



OPERATOR RESPONSIBILITIES



- Time In
- Time Stop
- Totals
- Work Performed

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL	1ST OPERATOR		IN	1630	STOP	REPORT TO (Location) Location the Operator is to report to		RELEASED BY (Signature - Time) Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE		OUT	0730	START					423		
			TOTAL		TOTAL							
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

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OPERATOR RESPONSIBILITIES



- Time In
- Time Stop
- Totals
- Work Performed

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)				
	1ST OPERATOR		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE		OUT	0730	START	423						
	2ND OPERATOR		TOTAL		TOTAL							
	DISPATCHER'S SIGNATURE		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
TOTAL		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR										
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

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OPERATOR RESPONSIBILITIES



- Time In
- Time Stop
- Totals

Note: Hrs are written in half hour increments ie. (.5 or 30)

- Work Performed

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)				
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED	1ST OPERATOR											
	2ND OPERATOR											
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
						500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
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OPERATOR RESPONSIBILITIES



- Time In
- Time Stop
- Totals
- Work Performed
 - Verifies mission has been completed

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION							
091015		LCRTF		627445		MarCorDet							
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)					
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445					
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423							
			TOTAL	9	TOTAL	4							
	2ND OPERATOR		IN		STOP								
	DISPATCHER'S SIGNATURE		OUT		START								
		TOTAL		TOTAL									
SERVICE	WORK PERFORMED		1ST OPERATOR Jimmy Pile		Work performed								
			2ND OPERATOR										
		FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
		DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
							500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE			
										2ND OPERATOR'S SIGNATURE			
										EQUIPMENT FOREMAN'S SIGNATURE			
ENGINEER EQUIPMENT OPERATIONAL RECORD													

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OPERATOR RESPONSIBILITIES



- Diesel
- Gas
- Engine Oil
- Gear Oil
- Grease

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION				
091015		LCRTF		627445		MarCorDet				
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)		
	1ST OPERATOR		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445		
	DISPATCHER'S SIGNATURE		OUT	0730	START	423				
	Kenneth Fissette		TOTAL	9	TOTAL	4				
	2ND OPERATOR		IN		STOP					
	DISPATCHER'S SIGNATURE		OUT		START					
		TOTAL		TOTAL						
SERVICE	WORK PERFORMED		1ST OPERATOR Jimmy Pile		Work performed					
			2ND OPERATOR							
FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE		
DIESEL (GAL)		GAS (GAL)		OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED
12							500	245	500	245
REMARKS								1ST OPERATOR'S SIGNATURE		
								2ND OPERATOR'S SIGNATURE		
								EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD								(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED. SN: 0000-00-005-6304 U/I: PG		



OPERATOR RESPONSIBILITIES



- Diesel
- Gas
 - N/A
- Engine Oil
- Gear Oil
- Grease

DATE 091015		EQUIPMENT LCRTF		USMC OR SERIAL NO. 627445		ORGANIZATION MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature – Time)				
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED	1ST OPERATOR Jimmy Pile		Work performed									
	2ND OPERATOR											
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED
	12					500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD										(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED. SN: 0000-00-005-6304 U/I: PG		



OPERATOR RESPONSIBILITIES



- Diesel
- Gas
 - N/A
- Engine Oil
- Gear Oil
- Grease

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)				
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR Jimmy Pile		Work performed								
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
	12		1			500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



OPERATOR RESPONSIBILITIES



- Diesel
- Gas
 - N/A
- Engine Oil
- Gear Oil
 - N/A
- Grease

DATE		091015		EQUIPMENT		LCRTF		USMC OR SERIAL NO.		627445		ORGANIZATION		MarCorDet	
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature – Time)						
	1ST OPERATOR		IN	1630	STOP	427	Location the Operator is to report to		Mike Hardcore GySgt / USMC 1445						
	DISPATCHER'S SIGNATURE		OUT	0730	START	423									
	Kenneth Fissette		TOTAL	9	TOTAL	4									
	2ND OPERATOR		IN		STOP										
	DISPATCHER'S SIGNATURE		OUT		START										
		TOTAL		TOTAL											
WORK PERFORMED		1ST OPERATOR		Jimmy Pile		Work performed									
		2ND OPERATOR													
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE						
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED			
	12		1			500	245	500	245	500	500	245			
REMARKS										1ST OPERATOR'S SIGNATURE					
										2ND OPERATOR'S SIGNATURE					
										EQUIPMENT FOREMAN'S SIGNATURE					
ENGINEER EQUIPMENT OPERATIONAL RECORD													(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED. SN: 0000-00-005-6304 U/I: PG		



OPERATOR RESPONSIBILITIES



- Diesel
- Gas
 - N/A
- Engine Oil
- Gear Oil
 - N/A
- Grease

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature – Time)				
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR Jimmy Pile		Work performed								
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	HOURLY/MILE DUE	HOURLY/MILE COMPLETED	TYPE PM DUE	HOURLY/MILE DUE	HOURLY/MILE COMPLETED
	12		1		.25	500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



OPERATOR RESPONSIBILITIES



- Equip. Forman
– Verifies that PMCS was completed properly

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature - Time)				
	1ST OPERATOR		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE		OUT	0730	START	423						
	Kenneth Fissette		TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR		Jimmy Pile				Work performed				
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
	12		1		.25	500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE Jason Sweno		

ENGINEER EQUIPMENT OPERATIONAL RECORD (11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED. SN: 0000-00-005-6304 U/I: PG



OPERATOR RESPONSIBILITIES



- Operator signature – PMCS Complete

DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
091015		LCRTF		627445		MarCorDet						
OPERATIONAL			TIME		HOURS OR MILES		REPORT TO (Location)	RELEASED BY (Signature – Time)				
	1ST OPERATOR Pile, Jimmy, Bob		IN	1630	STOP	427	Location the Operator is to report to	Mike Hardcore GySgt / USMC 1445				
	DISPATCHER'S SIGNATURE Kenneth Fissette		OUT	0730	START	423						
			TOTAL	9	TOTAL	4						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
		TOTAL		TOTAL								
WORK PERFORMED		1ST OPERATOR Jimmy Pile		Work performed								
		2ND OPERATOR										
SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE			
	DIESEL (GAL)	GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
	12		1		.25	500	245	500	245	500	500	245
REMARKS										1ST OPERATOR'S SIGNATURE Jimmy Pile		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE Jason Sweno		

ENGINEER EQUIPMENT OPERATIONAL RECORD (11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED. SN: 0000-00-005-6304 U/I: PG



Questions?



10 min break



NAVMC 10523

PRACTICAL APPLICATION



SCENARIO 'A'



DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION								
201001		TRAM		604829		MARCORDET								
OPERATIONAL	08		TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)					
	1ST OPERATOR		IN	1730	STOP	1846	Cpl. Pinnauts BLD. 3434		Cpl. Pinnauts 1630					
	DISPATCHER'S SIGNATURE		OUT	0730	START	1842								
	Jason P Sweno		TOTAL	10	TOTAL	4								
	2ND OPERATOR		IN		STOP									
	DISPATCHER'S SIGNATURE		OUT		START									
			TOTAL		TOTAL									
	WORK PERFORMED		1ST OPERATOR Your Name											
			2ND OPERATOR											
	SERVICE	FUELS		LUBES			OIL CHANGE		LUBRICATION		PM SERVICE			
DIESEL (GAL)		GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED		
42			2		.	2000	1750	2000	1750	2000	2000	250		
REMARKS										25			1ST OPERATOR'S SIGNATURE Your Name	
													2ND OPERATOR'S SIGNATURE	
													EQUIPMENT FOREMAN'S SIGNATURE Lot foreman, SNCOIC, or etc	

ENGINEER EQUIPMENT OPERATIONAL RECORD

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



SCENARIO 'A'



DAILY "A" PM SERVICE

Legend for marking

A — Adjust S — Service X — Adjustment/Repair Required
C — Check V — Verify O — Defect Corrected
L — Lubricate / — Not applicable

ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C X		C X		
2	LEAKS, GENERAL	C X		X		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	INT INT		INT		
5	INSTRUMENTS	C	INT			
6	SAFETY DEVICES	INT INT				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	INT INT				
9	CLUTCH	V	C			
10	STEERING	INT INT	INT INT			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	INT	INT INT			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	INT INT		INT		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	INT INT		INT INT		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	INT INT	INT			
19	TRANSMISSION	C	INT			
20	AIR FILTER	INT INT		INT		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	INT INT		INT INT		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

- 1.Right front fender bent
- 1.Left side mirror missing
- 2.C1 attachment tilt cylinder wiper seal
1. Lost retaining wing nut for air filter



SCENARIO 'B'



DATE		EQUIPMENT		USMC OR SERIAL NO.		ORGANIZATION						
201001		MMV		626284		MARCORDET						
OPERATIONAL	08		TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)			
	1ST OPERATOR		IN	0830	STOP	629	CWO L. S. Marine Naha Port		CWO L. S. Marine 0615			
	DISPATCHER'S SIGNATURE		OUT	1930	START	624						
	Jason P Sweno		TOTAL	13	TOTAL	5						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	WORK PERFORMED		1ST OPERATOR Your Name									
			2ND OPERATOR									
	SERVICE	FUELS		LUBES		OIL CHANGE		LUBRICATION		PM SERVICE		
DIESEL (GAL)		GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOURL/MILE DUE	HOURL/MILE COMPLETED	HOURL/MILE DUE	HOURL/MILE COMPLETED	TYPE PM DUE	HOURL/MILE DUE	HOURL/MILE COMPLETED
			1		.	750	500	750	500	250	750	500
REMARKS										25		
										1ST OPERATOR'S SIGNATURE Your Name		
										2ND OPERATOR'S SIGNATURE		
										EQUIPMENT FOREMAN'S SIGNATURE Lot foreman, SNCOIC, or etc		
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



SCENARIO 'B'



DAILY "A" PM SERVICE

Legend for marking

A — Adjust S — Service X — Adjustment/Repair Required
C — Check V — Verify O — Defect Corrected
L — Lubricate / — Not applicable

ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C X		C X		
2	LEAKS, GENERAL	INT		INT		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	INT		INT		
5	INSTRUMENTS	C	X			
6	SAFETY DEVICES	INT				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	INT				
9	CLUTCH	V	C			
10	STEERING	INT	INT			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	INT	INT			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	INT		INT		
15	DRIVE BELTS	C		X		
16	BATTERY ELEC. LEVEL	X		INT		
17	ANTIFREEZE TEST TO ____ ° F	V				
18	SERVICE BRAKES	INT	INT			
19	TRANSMISSION	C	C			
20	AIR FILTER	INT		INT		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	INT		INT		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

1. Air hose missing
1. Fork carriage bent
15. Drive belt worn
1. Damage engine hatch tore right side mirror off
5. Tachometer INOP



SCENARIO 'C'



DATE		EQUIPMENT				USMC OR SERIAL NO.		ORGANIZATION				
201001		LCRTF				363255		MARCORDET				
OPERATIONAL	08		TIME		HOURS OR MILES		REPORT TO (Location)		RELEASED BY (Signature - Time)			
	1ST OPERATOR		IN	1330	STOP	325	LCpl. Holmburg Bid. 4415		LCpl Holmburg 1245			
	DISPATCHER'S SIGNATURE		OUT	0930	START	325						
	Jason P Sweno		TOTAL	4	TOTAL	0						
	2ND OPERATOR		IN		STOP							
	DISPATCHER'S SIGNATURE		OUT		START							
			TOTAL		TOTAL							
	WORK PERFORMED		1ST OPERATOR Your Name									
			2ND OPERATOR									
	SERVICE	FUELS		LUBES			OIL CHANGE		LUBRICATION		PM SERVICE	
DIESEL (GAL)		GAS (GAL)	OE (QTS)	GO (QTS)	GREASE (LBS)	HOUR/MILE DUE	HOUR/MILE COMPLETED	HOUR/MILE DUE	HOUR/MILE COMPLETED	TYPE PM DUE	HOUR/MILE DUE	HOUR/MILE COMPLETED
6						500	0	500	0	500	500	0
REMARKS									1ST OPERATOR'S SIGNATURE Your Name			
									2ND OPERATOR'S SIGNATURE			
									EQUIPMENT FOREMAN'S SIGNATURE Lot foreman, SNCOIC, or etc			
ENGINEER EQUIPMENT OPERATIONAL RECORD												

(11245) NAVMC 10523 (REV. 8-86) PREVIOUS EDITIONS MAY BE USED.
SN: 0000-00-005-6304 U/I: PG



SCENARIO 'C'



DAILY "A" PM SERVICE

Legend for marking

A — Adjust S — Service X — Adjustment/Repair Required
C — Check V — Verify O — Defect Corrected
L — Lubricate / — Not applicable

ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	INT		INT		
2	LEAKS, GENERAL	X		X		
3	FUEL, OIL, WATER	V		S		
4	ENGINE WARMUP	INT		INT		
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	INT	INT			
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	INT				
9	CLUTCH	V	C			
10	STEERING	INT	INT			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	INT	INT			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	X		INT		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	INT		INT		
17	ANTIFREEZE TEST TO ____ ° F	V		X		
18	SERVICE BRAKES	INT	INT			
19	TRANSMISSION	C	INT			
20	AIR FILTER	INT		INT		
21	FUEL FILTERS	S		S		
22	TIRES/TRACK	INT		INT		
23						
24						
25						

NOTES

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 and 10 hour scheduled PM's are considered as daily PM services.
3. If repairs are required, notify the equipment chief.

REMARKS

16. Had to slave off
2.C1 fork side shift cylinder
13.Left tail light INOP



OPERATOR RESPONSIBILITIES



10 min break



**CONSOLIDATED
ENGINEER EQUIPMENT OPERATION LOG
AND SERVICE RECORD
NAVMC 10524
(CON-LOG)**



OVERVIEW



- Con-Log
 - Purpose
 - Characteristics
 - Operator Responsibilities
 - Preparation Instructions



PURPOSE

- Provides authority for an operator to operate on an assigned mission.
- May be used in place of a trip ticket when equipment is being operated on a project site for extended periods time.



PURPOSE

- Records mileage/hours for PMCS scheduling.
- Contains BEFORE, DURING, and AFTER checks and services checklist
- Need not be prepared when equipment has an ERO submitted, or is operated in the motorpool.



NAVMC 10524 (FRONT)



NAVMC 10524 (Rev.12-93) (EF) Previous edition is obsolete. SN: 0000-005-6404 U/I: PG OF 250														
CONSOLIDATED ENGINEER EQUIPMENT OPERATION LOG AND SERVICE RECORDS (4700)														
EQUIPMENT NOMENCLATURE						ID NO	USMC OR SERIAL NO		DATE RECORD OPENED	DATE RECORD CLOSED	CONTROL NO OR UNIT			
SECTION A	REFERENCES: OPERATION/MAINTENANCE TM							PARTS - SL-4		RECORDS-TM 4700-15/1				
	PMCS DUE: (Use Pencil only)								LAST SCHEDULED PMCS (Enter Date Performed)		NEXT SCHEDULED PMCS (Enter Date Due)		LUBRICATION DUE NEXT PMCS (Enter Type)	
	SCHEDULED PMCS													
SECTION B	OPERATION			SERVICE										
	DATE	SPEEDOMETER OR HOURMETER READING		TOTAL HR/MI OPER.	POL CONSUMPTION					AIR FILTER CLEANED/ CHANGED	HR/MI PMCS COMPLETED	ERO NO.	UNIT	SIGNATURE
		STARTED	STOPPED		GAS (GAL)	DIESEL (GAL)	OIL WT	OIL WT	OIL WT					



NAVMC 10524 (BACK)



DAILY PREVENTIVE MAINTENANCES SERVICES										
Legend for marking						ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE	
A - Adjust required		S - Service		X - Adjustment/Repair		ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE	
C - Check		V - Verify		O - Defect Corrected						
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR				
		BEFORE	DURING	AFTER						
1	DAMAGE, PILFERAGE, LOSS	C		C			1	DAMAGE, PILFERAGE, LOSS. Examine for signs of any obvious damage, pilferage or loss of components, attachments, or accessories.	12	UNUSUAL NOISES. Note for signs of metal grinding, squealing, or thumping. Observe for signs of excessive backlash and worn sheave bushings or gears.
2	LEAKS, GENERAL	C		C			2	LEAKS, GENERAL. Check under equipment and in engine compartment for signs of fuel, oil, water, gear oil, or brake fluid leaks.	13	LIGHTS AND REFLECTORS. Test for adequacy of performance and serviceability. Broken or cracked lenses and reflectors are to be replaced.
3	FUEL, OIL, WATER	V		S			3	FUEL, OIL, WATER. Verify levels and condition. Water level in radiator must be as specified in TM. Fuel tank to be full and free of excessive sediment deposits as noted at the sediment bowl. Oil to be clean and at level specified by TM. Refill to level after each operation. Contaminated fuel, water, and lubricant chief if contaminated occurs frequently.	14	AIR TANKS. Drain to prevent accumulation of condensation or freezing.
4	ENGINE, WARMUP	C					4	ENGINE WARMUP. Allow engine to operate sufficiently to reach operating temperature. Inspect for obvious leaks and note for signs of improper operation such as: (1) unusual noises (knocks, growling or grinding); (2) excessive smoking; and (3) throttle response.	15	DRIVE BELTS. Verify adjustments and condition. Belts having oil and grease on them are to be cleaned as soon as possible.
5	INSTRUMENTS	C	C				5	INSTRUMENTS. All instruments and gages are to function as prescribed in appropriate technical manuals. Those of most importance are: (1) water temperature to show a reading of to, (2) oil pressure to register between and on the page (3) ammeter to show a high rate of charge immediately following starting; then reduced to approximately 5 amps.	16	BATTERY LEVEL. Electrolyte level to be specified by the TM. Report any excessive water consumption to the equipment chief. Terminals to be clean and tight.
6	SAFETY DEVICES	C					6	SAFETY DEVICES. Check mirrors, horns, fire extinguishers, boom stops, and turn signals for proper functioning and/or condition.	17	ANTIFREEZE. Degree of protection to be verified with a hydrometer. Do not add water in a protected cooling system without consulting the equipment chief.
7	TOOLS AND EQUIPMENT	C					7	TOOLS AND EQUIPMENT. Tools and assigned attachments or accessories are to be checked for serviceability, completeness and condition.	18	SERVICE BRAKES. Verify proper adjustment and check operation immediately upon moving equipment.
8	PUBLICATIONS	V					8	PUBLICATIONS. Verify that required publications are aboard the equipment.	19	TRANSMISSION. Check fluid level in accordance with TM. Check for overheating during operation.
9	CLUTCH	V	C				9	CLUTCH. Verify adjustment and tension. Note for signs of excessive heating while under load.	20	AIR FILTERS. Verify that air filter element is clean and (if required) oil level correct. Service after each day of operation or more often if required.
10	STEERING	C	C				10	STEERING. Cover adequacy of all types of steering mechanisms, such as clutches, brakes, air, hydraulic, and gear.	21	FUEL FILTERS. Drain to prevent accumulation of condensation.
11	ENGINE OPERATION		C				11	ENGINE OPERATION. Check for regular performance, such as misses and unusual noises. Verify adequacy of power by subjecting the equipment to a load-performance test.	22	TIRES/TRACKS. Tires to be inflated to recommended pressure and free from major cuts and bruises. Tracks to be properly adjusted for tension and rollers correctly serviced.
12	UNUSUAL NOISES	C	C							
13	LIGHTS AND REFLECTORS	C								
14	AIR TANKS	S		S						
15	DRIVE BELTS	C		C						
16	BATTERY ELEC. LEVEL	C		S						
17	ANTIFREEZE TEST TO F	V								
18	SERVICE BRAKES	V	C							
19	TRANSMISSION	C	C							
20	AIR FILTER	V	S							
21	FUEL FILTER	S		S						
22	TIRE/TRACK	C		C						
23										
24										
25										

NOTES:

1. Add other coverages and procedures designated by the appropriate technical manual.

2. 8 & 10 hour PMCS's are considered as daily PMCS'S.

REMARKS

NAVMC 10524 (Rev. 12-93) (EF) (Reverse)
 U.S. GPO: 1995-830-003



OPERATOR RESPONSIBILITIES



OPERATOR RESPONSIBILITIES



- Complete all blocks pertaining to the operation and maintenance while under the operator's control before returning the equipment to the motor pool.
- Operator completes 8-10 hr daily PMCS as recommended by the TM and initials pertaining blocks.



OPERATOR RESPONSIBILITIES



Before Operations



- Date

198



- Date
- Start Hours

199



OPERATOR RESPONSIBILITIES



- Perform before checks
 - Only mark if Adj/Rpr req.
 - Notify foreman or dispatch

DAILY PREVENTIVE MAINTENANCE SERVICES										
Legend for marking						ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE	
A - Adjust required		S - Service		X - Adjustment/Repair						
C - Check		V - Verify		O - Defect Corrected						
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR				
		BEFORE	DURING	AFTER						
1	DAMAGE, PILFERAGE, LOSS	C		C					12	UNUSUAL NOISES. Note for signs of metal grinding, squealing, or thumping. Observe for signs of excessive backlash and worn sheave bushings or gears.
2	LEAKS, GENERAL	C		C					13	LIGHTS AND REFLECTORS. Test for adequacy of performance and serviceability. Broken or cracked lenses and reflectors are to be replaced.
3	FUEL, OIL, WATER	V		S					14	AIR TANKS. Drain to prevent accumulation of condensation or freezing.
4	ENGINE, WARMUP	C							15	DRIVE BELTS. Verify adjustments and condition. Belts having oil and grease on them are to be cleaned as soon as possible.
5	INSTRUMENTS	C	C						16	BATTERY LEVEL. Electrolyte level to be specified by the TM. Report any excessive water consumption to the equipment chief. Terminals to be clean and tight.
6	SAFETY DEVICES	C							17	ANTIFREEZE. Degree of protection to be verified with a hydrometer. Do not add water in a protected cooling system without consulting the equipment chief.
7	TOOLS AND EQUIPMENT	C							18	SERVICE BRAKES. Verify proper adjustment and check operation immediately upon moving equipment.
8	PUBLICATIONS	V							19	TRANSMISSION. Check fluid level in accordance with TM. Check for overheating during operation.
9	CLUTCH	V	C						20	AIR FILTERS. Verify that air filter element is clean and (if required) oil level correct. Service after each day of operation or more often if required.
10	STEERING	C	C						21	FUEL FILTERS. Drain to prevent accumulation of condensation.
11	ENGINE OPERATION		C						22	TIRES/TRACKS. Tires to be inflated to recommended pressure and free from major cuts and bruises. Tracks to be properly adjusted for tension and rollers correctly serviced.
12	UNUSUAL NOISES	C	C							
13	LIGHTS AND REFLECTORS	C								
14	AIR TANKS	S		S						
15	DRIVE BELTS	C		C						
16	BATTERY ELEC. LEVEL	C		S						
17	ANTIFREEZE TEST TO F	V								
18	SERVICE BRAKES	V	C							
19	TRANSMISSION	C	C							
20	AIR FILTER	V	S							
21	FUEL FILTER	S		S						
22	TIRES/TRACK	C		C						
23										
24										
25										

NOTES:

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 & 10 hour PMCS's are considered as daily PMCS's.

REMARKS

11 **DAMAGE, PILFERAGE, LOSS.** Examine for signs of any obvious damage, pilferage or loss of components, attachments, or accessories.

2 **LEAKS, GENERAL.** Check under equipment and in engine compartment for signs of fuel, oil, water, gear oil, or brake fluid leaks.

3 **FUEL, OIL, WATER.** Verify levels and condition. Water level in radiator must be as specified in TM. Fuel tank to be full and free of excessive sediment deposit as noted at the sediment bowl. Oil to be clean and at level specified by TM. Refill to level after each operation. Contaminated fuel, water, and lubricant chief if contaminated occurs frequently.

4 **ENGINE WARMUP.** Allow engine to operate sufficiently to reach operating temperature. Inspect for obvious leaks and note for signs of improper operation such as: (1) unusual noises (knocks, growling or grinding), (2) excessive smoking, and (3) throttle response.

5 **INSTRUMENTS.** All instruments and gauges are to function as prescribed in appropriate technical manuals. Those of most importance are: (1) water temperature to show a reading of to, (2) oil pressure to register between and on the Page 13 ammeter to show a high rate of charge immediately following starting; then reduced to approximately 5 amps.

6 **SAFETY DEVICES.** Check mirrors, horns, fire extinguishers, boom stops, and turn signals for proper functioning and/or condition.

7 **TOOLS AND EQUIPMENT.** Tools and assigned attachments or accessories are to be checked for serviceability, completeness and condition.

8 **PUBLICATIONS.** Verify that required publications are aboard the equipment.

9 **CLUTCH.** Verify adjustment and tension. Note for signs of excessive heating while under load.

10 **STEERING.** Cover adequacy of all types of steering mechanisms, such as clutches, brakes, air, hydraulic, and gear.

11 **ENGINE OPERATION.** Check for irregular performance, such as misses and unusual noises. Verify adequacy of power by subjecting the equipment to a load-performance test.

NAVMC 10524 (Rev. 12-93) (E) (Reverse)

U.S. GPO: 1995-539-003



OPERATOR RESPONSIBILITIES



During Operations



OPERATOR RESPONSIBILITIES



- Perform during checks
 - Only mark if Adj/Rpr req.
 - Notify foreman or dispatch

DAILY PREVENTIVE MAINTENANCE SERVICES										
Legend for marking						ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE	
A - Adjust required		S - Service		X - Adjustment/Repair						
C - Check		V - Verify		O - Defect Corrected						
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR				
		BEFORE	DURING	AFTER						
1	DAMAGE, PILFERAGE, LOSS	C		C					12	UNUSUAL NOISES. Note for signs of metal grinding, squealing, or thumping. Observe for signs of excessive backlash and worn sheave bushings or gears.
2	LEAKS, GENERAL	C		C					13	LIGHTS AND REFLECTORS. Test for adequacy of performance and serviceability. Broken or cracked lenses and reflectors are to be replaced.
3	FUEL, OIL, WATER	V		S					14	AIR TANKS. Drain to prevent accumulation of condensation or freezing.
4	ENGINE, WARMUP	C							15	DRIVE BELTS. Verify adjustments and condition. Belts having oil and grease on them are to be cleaned as soon as possible.
5	INSTRUMENTS	C	C						16	BATTERY LEVEL. Electrolyte level to be specified by the TM. Report any excessive water consumption to the equipment chief. Terminals to be clean and tight.
6	SAFETY DEVICES	C							17	ANTIFREEZE. Degree of protection to be verified with a hydrometer. Do not add water in a protected cooling system without consulting the equipment chief.
7	TOOLS AND EQUIPMENT	C							18	SERVICE BRAKES. Verify proper adjustment and check operation immediately upon moving equipment.
8	PUBLICATIONS	V							19	TRANSMISSION. Check fluid level in accordance with TM. Check for overheating during operation.
9	CLUTCH	V	C						20	AIR FILTERS. Verify that air filter element is clean and (if required) oil level correct. Service after each day of operation more often if required.
10	STEERING	C	C						21	FUEL FILTERS. Drain to prevent accumulation of condensation.
11	ENGINE OPERATION		C						22	TIRES/TRACKS. Tires to be inflated to recommended pressure and free from major cuts and bruises. Tracks to be properly adjusted for tension and rollers correctly serviced.
12	UNUSUAL NOISES	C	C							
13	LIGHTS AND REFLECTORS	C								
14	AIR TANKS	S		S						
15	DRIVE BELTS	C		C						
16	BATTERY ELEC. LEVEL	C		S						
17	ANTIFREEZE TEST TO F	V								
18	SERVICE BRAKES	V	C							
19	TRANSMISSION	C	C							
20	AIR FILTER	V	S							
21	FUEL FILTER	S		S						
22	TIRES/TRACK	C		C						
23										
24										
25										

NOTES:

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 & 10 hour PMCS's are considered as daily PMCS's.

REMARKS

11

DAMAGE, PILFERAGE, LOSS. Examine for signs of any obvious damage, pilferage or loss of components, attachments, or accessories.

LEAKS, GENERAL. Check under equipment and in engine compartment for signs of fuel, oil, water, gear oil, or brake fluid leaks.

FUEL, OIL, WATER. Verify levels and condition. Water level in radiator must be as specified in TM. Fuel tank to be full and free of excessive sediment deposit as noted at the sediment bowl. Oil to be clean and at level specified by TM. Refill to level after each operation. Contaminated fuel, water, and lubricant chief if contaminated occurs frequently.

ENGINE WARMUP. Allow engine to operate sufficiently to reach operating temperature. Inspect for obvious leaks and note for signs of improper operation such as: (1) unusual noises (knocks, growling or grinding), (2) excessive smoking, and (3) throttle response.

INSTRUMENTS. All instruments and gauges are to function as prescribed in appropriate technical manuals. Those of most importance are: (1) water temperature to show a reading of to, (2) oil pressure to register between and on the Page 13 ammeter to show a high rate of charge immediately following starting; then reduced to approximately 5 amps.

SAFETY DEVICES. Check mirrors, horns, fire extinguishers, boom stops, and turn signals for proper functioning and/or condition.

TOOLS AND EQUIPMENT. Tools and assigned attachments or accessories are to be checked for serviceability, completeness and condition.

PUBLICATIONS. Verify that required publications are aboard the equipment.

CLUTCH. Verify adjustment and tension. Note for signs of excessive heating while under load.

STEERING. Cover adequacy of all types of steering mechanisms, such as clutches, brakes, air, hydraulic, and gear.

ENGINE OPERATION. Check for irregular performance, such as misses and unusual noises. Verify adequacy of power by subjecting the equipment to a load-performance test.

NAVMC 10524 (Rev. 12-93) (E) (Reverse)

U.S. GPO: 1995-539-003



10 min break



OPERATOR RESPONSIBILITIES



After Operations



OPERATOR RESPONSIBILITIES



- Perform after checks
 - Only mark if Adj/Rpr req.
 - Notify foreman or dispatch

DAILY PREVENTIVE MAINTENANCES SERVICES						
Legend for marking				ITEM		COVERAGE AND PROCEDURE
A - Adjust required C - Check S - Service V - Verify X - Adjustment/Repair O - Defect Corrected						
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR
		BEFORE	DURING	AFTER		
1	DAMAGE, PILFERAGE, LOSS	C		C		
2	LEAKS, GENERAL	C		C		
3	FUEL, OIL, WATER	V		S		
4	ENGINE, WARMUP	C				
5	INSTRUMENTS	C	C			
6	SAFETY DEVICES	C				
7	TOOLS AND EQUIPMENT	C				
8	PUBLICATIONS	V				
9	CLUTCH	V	C			
10	STEERING	C	C			
11	ENGINE OPERATION		C			
12	UNUSUAL NOISES	C	C			
13	LIGHTS AND REFLECTORS	C				
14	AIR TANKS	S		S		
15	DRIVE BELTS	C		C		
16	BATTERY ELEC. LEVEL	C		S		
17	ANTIFREEZE TEST TO F	V				
18	SERVICE BRAKES	V	C			
19	TRANSMISSION	C	C			
20	AIR FILTER	V	S			
21	FUEL FILTER	S		S		
22	TIRES/TRACK	C		C		
23						
24						
25						

NOTES:

1. Add other coverages and procedures designated by the appropriate technical manual.
2. 8 & 10 hour PMCS's are considered as daily PMCS's.

REMARKS

ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE
1	DAMAGE, PILFERAGE, LOSS. Examine for signs of any obvious damage, pilferage or loss of components, attachments, or accessories.	12	UNUSUAL NOISES. Note for signs of metal grinding, squealing, or thumping. Observe for signs of excessive backlash and worn sheave bushings or gears.
2	LEAKS, GENERAL. Check under equipment and in engine compartment for signs of fuel, oil, water, gear oil, or brake fluid leaks.	13	LIGHTS AND REFLECTORS. Test for adequacy of performance and serviceability. Broken or cracked lenses and reflectors are to be replaced.
3	FUEL, OIL, WATER. Verify levels and condition. Water level in radiator must be as specified in TM. Fuel tank to be full and free of excessive sediment deposit as noted at the sediment bowl. Oil to be clean and at level specified by TM. Refill to level after each operation. Contaminated fuel, water, and lubricant chief if contaminated occurs frequently.	14	AIR TANKS. Drain to prevent accumulation of condensation or freezing.
4	ENGINE WARMUP. Allow engine to operate sufficiently to reach operating temperature. Inspect for obvious leaks and note for signs of improper operation such as: (1) unusual noises (knocks, growling or grinding); (2) excessive smoking; and (3) throttle response.	15	DRIVE BELTS. Verify adjustments and condition. Belts having oil and grease on them are to be cleaned as soon as possible.
5	INSTRUMENTS. All instruments and gauges are to function as prescribed in appropriate technical manuals. Those of most importance are: (1) water temperature to show a reading of to, (2) oil pressure to register between and on the Page 13) ammeter to show a high rate of charge immediately following starting; then reduced to approximately 5 amps.	16	BATTERY LEVEL. Electrolyte level to be specified by the TM. Report any excessive water consumption to the equipment chief. Terminals to be clean and tight.
6	SAFETY DEVICES. Check mirrors, horns, fire extinguishers, boom stops, and turn signals for proper functioning and/or condition.	17	ANTIFREEZE. Degree of protection to be verified with a hydrometer. Do not add water in a protected cooling system without consulting the equipment chief.
7	TOOLS AND EQUIPMENT. Tools and assigned attachments or accessories are to be checked for serviceability, completeness and condition.	18	SERVICE BRAKES. Verify proper adjustment and check operation immediately upon moving equipment.
8	PUBLICATIONS. Verify that required publications are aboard the equipment.	19	TRANSMISSION. Check fluid level in accordance with TM. Check for overheating during operation.
9	CLUTCH. Verify adjustment and tension. Note for signs of excessive heating while under load.	20	AIR FILTERS. Verify that air filter element is clean and (if required) oil level correct. Service after each day of operation more often if required.
10	STEERING. Cover adequacy of all types of steering mechanisms, such as clutches, brakes, air, hydraulic, and gear.	21	FUEL FILTERS. Drain to prevent accumulation of condensation.
11	ENGINE OPERATION. Check for irregular performance, such as misses and unusual noises. Verify adequacy of power by subjecting the equipment to a load-performance test.	22	TIRES/TRACKS. Tires to be inflated to recommended pressure and free from major cuts and bruises. Tracks to be properly adjusted for tension and rollers correctly serviced.

NAVMC 10524 (Rev. 12-93) (EF) (Reverse)

U.S. GPO: 1995-839-003



- Stop Hours

206



- Stop Hours
- Total

[illegible]



- Stop Hours
- Total
- POL's used
 - Grease
 - Fuel

[illegible]



- Stop Hours
- Total
- POL's used
 - Grease
 - Fuel
 - Hydro

[illegible]



- Stop Hours
- Total
- POL's used
 - Grease
 - Fuel
 - Hydro
 - OE

[illegible]



- Stop Hours
- Total
- POL's used
 - Grease
 - Fuel
 - Hydro
 - OE
 - GO

212



- Air Filter
 - Service
 - CL / CH

213



- Air Filter
 - Service
 - CL / CH
- 8-10 hr PMCS Complete
 - Initial

[illegible]



- Every day or every shift starts a new line.

[illegible]



Questions?



THINKING

It's a no brainer



10 min break



NAVMC 10524

PRACTICAL APPLICATION



CONSOLIDATED ENGINEER EQUIPMENT OPERATION LOG AND SERVICE RECORDS (4700)

219



DAILY PREVENTIVE MAINTENANCES SERVICES

Legend for marking							ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE
A - Adjust required		S - Service		X - Adjustment/Repair			ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE
C - Check		V - Verify		O - Defect Corrected						
ITEM NO.	COVERAGE	OPERATION			8 HOUR	10 HOUR	ITEM	COVERAGE AND PROCEDURE	ITEM	COVERAGE AND PROCEDURE
		BEFORE	DURING	AFTER						
1	DAMAGE, PILFERAGE, LOSS	C		X			1	DAMAGE, PILFERAGE, LOSS. Examine for signs of any obvious damage, pilferage or loss of components, attachments, or accessories.	12	UNUSUAL NOISES. Note for signs of metal grinding, squealing, or thumping. Observe for signs of excessive backlash and worn sheave bushings or gears.
2	LEAKS, GENERAL	C		C			2	LEAKS, GENERAL. Check under equipment and in engine compartment for signs of fuel, oil, water, gear oil, or brake fluid leaks.	13	LIGHTS AND REFLECTORS. Test for adequacy of performance and serviceability. Broken or cracked lenses and reflectors are to be replaced.
3	FUEL, OIL, WATER	V		S			3	FUEL, OIL, WATER. Verify levels and condition. Water level in radiator must be as specified in TM. Fuel tank to be full and free of excessive sediment deposit as noted at the sediment bowl. Oil to be clean and at level specified by TM. Refill to level after each operation. Contaminated fuel, water, and lubricant chief if contaminated occurs frequently.	14	AIR TANKS. Drain to prevent accumulation of condensation or freezing.
4	ENGINE, WARMUP	C					4	ENGINE WARMUP. Allow engine to operate sufficiently to reach operating temperature. Inspect for obvious leaks and note for signs of improper operations such as: (1) unusual noises (knocks, growling or grinding); (2) excessive smoking; and (3) throttle response.	15	DRIVE BELTS. Verify adjustments and condition. Belts having oil and grease on them are to be cleaned as soon as possible.
5	INSTRUMENTS	C	C				5	INSTRUMENTS. All instruments and gages are to function as prescribed in appropriate technical manuals. Those of most importance are: (1) water temperature to show a reading of to, (2) oil pressure to register between and on the page, (3) ammeter to show a high rate of charge immediately following starting; then reduced to approximately 5 amps.	16	BATTERY LEVEL. Electrolyte level to be specified by the TM. Report any excessive water consumption to the equipment chief. Terminals to be clean and tight.
6	SAFETY DEVICES	C					6	SAFETY DEVICES. Check mirrors, horns, fire extinguishers, boom stops, and turn signals for proper functioning and/or condition.	17	ANTIFREEZE. Degree of protection to be verified with a hydrometer. Do not add water in a protected cooling system without consulting the equipment chief.
7	TOOLS AND EQUIPMENT	C					7	TOOLS AND EQUIPMENT. Tools and assigned attachments or accessories are to be checked for serviceability, completeness and condition.	18	SERVICE BRAKES. Verify proper adjustment and check operation immediately upon moving equipment.
8	PUBLICATIONS	V					8	PUBLICATIONS. Verify that required publications are aboard the equipment.	19	TRANSMISSION. Check fluid level in accordance with TM. Check for overheating during operation.
9	CLUTCH	V	C				9	CLUTCH. Verify adjustment and tension. Note for signs of excessive heating while under load.	20	AIR FILTERS. Verify that air filter element is clean and (if required) oil level correct. Service after each day of operation or more often if required.
10	STEERING	C	C				10	STEERING. Cover adequacy of all types of steering mechanisms, such as clutches, brakes, air, hydraulic, and gear.	21	FUEL FILTERS. Drain to prevent accumulation of condensation.
11	ENGINE OPERATION		C				11	ENGINE OPERATION. Check for irregular performance, such as misses and unusual noises. Verify adequacy of power by subjecting the equipment to a load-performance test.	22	TIRES/TRACKS. Tires to be inflated to recommended pressure and free from major cuts and bruises. Tracks to be properly adjusted for tension and rollers correctly serviced.
12	UNUSUAL NOISES	C	C							
13	LIGHTS AND REFLECTORS	C								
14	AIR TANKS	S		S						
15	DRIVE BELTS	C		C						
16	BATTERY ELEC. LEVEL	C		S						
17	ANTIFREEZE TEST TO F	V								
18	SERVICE BRAKES	V	C							
19	TRANSMISSION	C	C							
20	AIR FILTER	V	S							
21	FUEL FILTER	S		S						
22	TIRES/TRACK	C		C						
23										
24										
25										

NOTES:

- Add other coverages and procedures designated by the appropriate technical manual.
- 8 & 10 hour PMCS's are considered as daily PMCS's.

REMARKS 1. Dent in fuel tank during operation



OPERATOR RESPONSIBILITIES



10 min break



ACCIDENT FORMS



SF 91

Motor Vehicle Accident Report

SF 94

Statement of Witness

DD 518

Accident-Identification Card



OVERVIEW



- 91, 94, DD518
 - Purpose
 - Operator Responsibilities
 - Preparation instructions



SF 91

Motor Vehicle Accident

Report



SF 91



- Purpose
 - Provide a detailed report of any accident involving a motor vehicle



SF 91



- Operator Responsibilities
 - The Operator of the vehicle involved is responsible for submitting this report.
- The operator fills out sections 1 – 9.
- A Second party can initiate for the operator using any witness (s) if the operator is unable to complete the report.



SF 91



- Supervisor's Responsibilities

- The Operator's supervisor (OIC) will fill out section 10.



SF 91



- Investigating Officer's Responsibilities
 - If it is determined that an investigation is needed the Investigating Officer will fill out sections 11 - 13 Per the JAG Manual.
 - Investigations are initiated when the accident has caused bodily injury, a fatality and/or damage exceeding \$500.



SF 91



- Preparation Instructions
 - Self-explanatory
 - Instructions are located on Pg 1.

INSTRUCTIONS: Sections I thru IX are filled out by the vehicle operator. Section X, Items 72 thru 82c are filled out by the operator's supervisor. Sections XI thru XIII are filled out by an accident investigator for bodily injury, fatality, and/or damage exceeding \$500.

SECTION I. GENERAL VEHICLE DATA



SF 91



- Filing
 - All operators will Carry (1) SF 91 per vehicle while operating
- Disposition
 - The dispatcher will retain the SF 91 with the accident investigation for a minimum of one year.



SF 91

- (4) Page's

- Fill out sec. 1-9

- Read directions

- Page 1

MOTOR VEHICLE ACCIDENT REPORT		Please read the Privacy Act Statement on Page 3.		INSTRUCTIONS: Sections I thru IX are filled out by the vehicle operator. Section X, Items 72 thru 82c are filled out by the operator's supervisor. Sections XI thru XIII are filled out by an accident investigator for bodily injury, fatality, and/or damage exceeding \$500.	
SECTION I - FEDERAL VEHICLE DATA					
1. DRIVER'S NAME (Last, first, middle)		2. DRIVER'S LICENSE NO./STATE/LIMITATIONS		3. DATE OF ACCIDENT	
4a. DEPARTMENT/FEDERAL AGENCY PERMANENT OFFICE ADDRESS				4b. WORK TELEPHONE NUMBER ()	
5. TAG OR IDENTIFICATION NUMBER	6. EST. REPAIR COST \$	7. YEAR OF VEHICLE	8. MAKE	9. MODEL	10. SEAT BELTS USED <input type="checkbox"/> YES <input type="checkbox"/> NO
11. DESCRIBE VEHICLE DAMAGE					
SECTION II - OTHER VEHICLE DATA (Use Section VIII if additional space is needed.)					
12. DRIVER'S NAME (Last, first, middle)			13. DRIVER'S LICENSE NUMBER/STATE/LIMITATIONS		
14a. DRIVER'S WORK ADDRESS			14b. WORK TELEPHONE NUMBER ()		
15a. DRIVER'S HOME ADDRESS			15b. HOME TELEPHONE NUMBER ()		
16. DESCRIBE VEHICLE DAMAGE					
18. YEAR OF VEHICLE		19. MAKE OF VEHICLE		20. MODEL OF VEHICLE	
21. TAG NUMBER AND STATE			22a. DRIVER'S INSURANCE COMPANY NAME AND ADDRESS		
22b. POL. CY NUMBER			22c. TELEPHONE NUMBER ()		
22d. TELEPHONE NUMBER ()			24b. TELEPHONE NUMBER ()		
23. VEHICLE IS <input type="checkbox"/> CO-OWNED <input type="checkbox"/> RENTAL <input type="checkbox"/> LEASED <input type="checkbox"/> PRIVATELY OWNED		24a. OWNER'S NAME(S) (Last, first, middle)		25. OWNER'S ADDRESS(ES)	
SECTION III - KILLED OR INJURED (Use Section VIII if additional space is needed.)					
26. NAME (Last, first, middle)		27. SEX		28. DATE OF BIRTH	
29. ADDRESS					
A					
30. MARK "X" IN TWO APPROPRIATE BOXES <input type="checkbox"/> KILLED <input type="checkbox"/> DRIVER <input type="checkbox"/> PASSENGER <input type="checkbox"/> INJURED <input type="checkbox"/> HELPER <input type="checkbox"/> PEDESTRIAN		31. IN WHICH VEHICLE <input type="checkbox"/> FED <input type="checkbox"/> OTHER (2)		32. LOCATION IN VEHICLE	
33. FIRST AID GIVEN BY		34. TRANSPORTED BY			
35. TRANSPORTED TO		36. NAME (Last, first, middle)			
37. SEX		38. DATE OF BIRTH			
39. ADDRESS					
B					
40. MARK "X" IN TWO APPROPRIATE BOXES <input type="checkbox"/> KILLED <input type="checkbox"/> DRIVER <input type="checkbox"/> PASSENGER <input type="checkbox"/> INJURED <input type="checkbox"/> HELPER <input type="checkbox"/> PEDESTRIAN		41. IN WHICH VEHICLE <input type="checkbox"/> FED <input type="checkbox"/> OTHER (2)		42. LOCATION IN VEHICLE	
43. FIRST AID GIVEN BY		44. TRANSPORTED BY			
45. TRANSPORTED TO		a. NAME OF STREET OR HIGHWAY			
b. DIRECTION OF PEDESTRIAN (SW corner to NE corner, etc.) FROM TO		46. Pedestrian c. DESCRIBE WHAT PEDESTRIAN WAS DOING AT TIME OF ACCIDENT (Crossing intersection with signal, against signal, diagonally in roadway playing, walking, hitchhiking, etc.)			
NSN 7540-00-634-4041 91-110 STANDARD FORM 91 PAGE 1 (REV. 2-93) Previous edition n7: usabae Prescribed by GSA - FPMR 101-11.6					



SF 91



- (4) Pages

- Fill out sec. 1-9

- Read directions

- Page 2

SECTION IV - ACCIDENT TIME AND LOCATION (Use Section VIII if additional space is needed.)																													
47. DATE OF ACCIDENT	48. PLACE OF ACCIDENT (Street address, city, state, ZIP Code; Nearest landmark; Distance nearest intersection; Kind of locality (Industrial, business, residential, open country, etc.); Road description)																												
49. TIME OF ACCIDENT AM PM																													
50. INDICATE ON THIS DIAGRAM HOW THE ACCIDENT HAPPENED <small>Use one of these outlines to sketch the scene. Write in street or highway names or numbers.</small>		51. POINT OF IMPACT (Check one for each vehicle)																											
<p>a. Number Federal vehicle as 1, other vehicle as 2, additional vehicle as 3 and show direction of travel with arrow.</p> <p>Example: → 1 ← 2 ←</p> <p>b. Use solid line to show path before accident — and broken line after the accident - - - - -</p> <p>c. Show pedestrian by → ○</p> <p>d. Show railroad by + + + + +</p> <p>e. Place arrow in this circle to indicate NORTH</p>		<table border="1"><thead><tr><th>FED</th><th>2</th><th>AREA</th></tr></thead><tbody><tr><td></td><td></td><td>a. FRONT</td></tr><tr><td></td><td></td><td>b. R. FRONT</td></tr><tr><td></td><td></td><td>c. L. FRONT</td></tr><tr><td></td><td></td><td>d. REAR</td></tr><tr><td></td><td></td><td>e. R. REAR</td></tr><tr><td></td><td></td><td>f. L. REAR</td></tr><tr><td></td><td></td><td>g. R. SIDE</td></tr><tr><td></td><td></td><td>h. L. SIDE</td></tr></tbody></table>	FED	2	AREA			a. FRONT			b. R. FRONT			c. L. FRONT			d. REAR			e. R. REAR			f. L. REAR			g. R. SIDE			h. L. SIDE
FED	2	AREA																											
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		f. L. REAR																											
		g. R. SIDE																											
		h. L. SIDE																											
52. DESCRIBE WHAT HAPPENED (Refer to vehicles as "Fed", "2", "3", etc. Please include information on posted speed limit, approximate speed of the vehicles, road conditions, weather conditions, driver visibility, condition of accident vehicles, traffic controls (warning light, stop signal, etc.) condition of light (daylight, dusk, night, dawn, artificial light, etc.), and driver actions (making U-turn, passing, stopped in traffic, etc.).																													
SECTION V - WITNESS/PASSENGER (Witness must fill out SF 94, Statement of Witness) (Continue in Section VIII.)																													
53. NAME (Last, first, middle)		54. WORK TELEPHONE NUMBER ()																											
55. HOME TELEPHONE NUMBER ()																													
56. BUSINESS ADDRESS		57. HOME ADDRESS																											
58. NAME (Last, first, middle)		59. WORK TELEPHONE NUMBER ()																											
60. HOME TELEPHONE NUMBER ()																													
61. BUSINESS ADDRESS		62. HOME ADDRESS																											
SECTION VI - PROPERTY DAMAGE (Use Section VIII if additional space is needed.)																													
63a. NAME OF OWNER		63b. OFFICE TELEPHONE NUMBER ()																											
63c. BUSINESS ADDRESS		63d. HOME ADDRESS																											
64a. NAME OF INSURANCE COMPANY		64b. TELEPHONE NUMBER ()																											
64c. POLICY NUMBER																													
65. ITEM DAMAGED	66. LOCATION OF DAMAGED ITEM	67. ESTIMATED COST \$																											
SECTION VII - POLICE INFORMATION																													
68a. NAME OF POLICE OFFICER		68b. BADGE NUMBER																											
68c. TELEPHONE NUMBER ()																													
69. PRECINCT OR HEADQUARTERS		70a. PERSON CHARGED WITH ACCIDENT																											
		70b. VIOLATION(S)																											



- | SECTION VIII - EXTRA DETAILS | | | | | |
|--|--|--------------------------------------|--|-----------------------|--|
| SPACE FOR DETAILED ANSWERS. INDICATE SECTION AND ITEM NUMBER FOR EACH ANSWER. IF MORE SPACE IS NEEDED, CONTINUE ITEMS ON PLAIN BOND PAPER. | | | | | |
| | | | | | |
| SECTION IX - FEDERAL DRIVER CERTIFICATION | | | | | |
| <p>In compliance with the Privacy Act of 1974, solicitation of the information requested on this form is authorized by Title 40 U.S.C. Section 491. Disclosure of the information by a Federal employee is mandatory as the first step in the Government's investigation of a motor vehicle accident. The principal purposes for using this information is to provide necessary data for legal counsel in legal actions resulting from the accident and to provide accident information/statistics in analyzing accident causes and developing methods of reducing accidents. Routine use of information may be by Federal, State or local governments, or agencies, when relevant to civil, criminal, or regulatory investigations or prosecutions. An employee of a Federal agency who fails to report accurately a motor vehicle accident involving a Federal vehicle or who refuses to cooperate in the investigation of an accident may be subject to administrative sanctions. I certify that the information on this form (Sections I thru VIII) is correct to the best of my knowledge and belief.</p> | | | | | |
| 71a. NAME AND TITLE OF DRIVER | | | 71b. DRIVER'S SIGNATURE AND DATE | | |
| | | | | | |
| SECTION X - DETAILS OF TRIP DURING WHICH ACCIDENT OCCURRED | | | | | |
| 72. ORIGIN | | | 73. DESTINATION | | |
| | | | | | |
| 74. EXACT PURPOSE OF TRIP | | | | | |
| | | | | | |
| 75. TRIP BEGAN | | DATE | TIME (Circle one)
a.m. p.m. | 76. ACCIDENT OCCURRED | |
| | | | | | |
| 77. AUTHORITY FOR THE TRIP WAS GIVEN TO THE OPERATOR | | | 78. WAS THERE ANY DEVIATION FROM DIRECT ROUTE | | |
| <input type="checkbox"/> ORALLY <input type="checkbox"/> IN WRITING (Explain) | | | <input type="checkbox"/> NO <input type="checkbox"/> YES (Explain) | | |
| 79. WAS THE TRIP MADE WITHIN ESTABLISHED WORKING HOURS | | | 80. DID THE OPERATOR, WHILE ENROUTE, ENGAGE IN ANY ACTIVITY OTHER THAN THAT FOR WHICH THE TRIP WAS AUTHORIZED. | | |
| <input type="checkbox"/> YES <input type="checkbox"/> NO (Explain) | | | <input type="checkbox"/> NO <input type="checkbox"/> YES (Explain) | | |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> 81. COMPLETED BY DRIVER'S SUPERVISOR
 <input type="checkbox"/> YES
 <input type="checkbox"/> NO </div> <div style="width: 50%;"> a. DID THIS ACCIDENT OCCUR WITHIN THE EMPLOYEE'S SCOPE OF DUTY
 b. COMMENTS </div> </div> | | | | | |
| 82a. NAME AND TITLE OF SUPERVISOR | | 82b. SUPERVISOR'S SIGNATURE AND DATE | | 82c. TELEPHONE NUMBER | |
| | | | | | |

()

STANDARD FORM 91 PAGE 3 (REV. 2-93)



SF 91

- (4) Pages

- Fill out sec. 1-9

- Read directions

- Page 4

SECTION XI - ACCIDENT INVESTIGATION DATA			
83. DID THE INVESTIGATION DISCLOSE CONFLICTING INFORMATION. <input type="checkbox"/> YES <input type="checkbox"/> NO (If "Yes", explain below.)			
84. PERSONS INTERVIEWED			
NAME	DATE	NAME	DATE
a.		c.	
b.		d.	
85. ADDITIONAL COMMENTS (Indicate section and item number for each comment.)			
SECTION XII - ATTACHMENTS			
LIST ALL ATTACHMENTS TO THIS REPORT			
SECTION XIII - COMMENTS/APPROVALS			
86. REVIEWING OFFICIAL'S COMMENTS			
87. ACCIDENT INVESTIGATOR		88. ACCIDENT REVIEWING OFFICIAL	
a. SIGNATURE AND DATE		a. SIGNATURE AND DATE	
b. NAME (First, middle, last)		b. NAME (First, middle, last)	
c. TITLE		c. TITLE	
d. OFFICE		d. OFFICE	
e. OFFICE TELEPHONE NUMBER ()		e. OFFICE TELEPHONE NUMBER ()	
*U.S.GPO: 1995-380-660/C9125		STANDARD FORM 91 PAGE 4 (REV. 2-93)	



Questions?



SF 91

PRACTICAL APPLICATION



10 min break



SF 94

Statement of Witness



SF 94



- Purpose
 - Provides a detailed statement from any accident witness
 - Per section 5 of the SF91 witness' must fill out the SF 94



SF 94



- Responsibilities
 - Operator request that witness complete SF 94
 - Voluntary for the public
 - Mandatory for government employees



SF 94



- Preparation Instructions
 - Self-explanatory
- Filing
 - All operators will carry (2) SF 94's per vehicle while operating
- Disposition
 - The dispatcher will retain the SF94 with the SF 91 and keep them on file for a minimum of one year



SF 94

- (2) Pages

- Page 1

STATEMENT OF WITNESS (Attach additional sheets if necessary)		1. DID YOU SEE THE ACCIDENT?		2. WHEN DID THE ACCIDENT HAPPEN?		FORM APPROVED O.M.B. NUMBER 3090-0118
		a. TIME a.m. b. DATE p.m.				
3. WHERE DID THE ACCIDENT HAPPEN? (Give street location and city)						
4. TELL IN YOUR OWN WAY HOW THE ACCIDENT HAPPENED						
5. WHERE WERE YOU WHEN THE ACCIDENT OCCURRED?						
6. WAS ANYONE INJURED, AND IF SO, EXTENT OF INJURY IF KNOWN?						
7. DESCRIBE THE APPARENT DAMAGE TO PRIVATE PROPERTY						
8. DESCRIBE THE APPARENT DAMAGE TO GOVERNMENT PROPERTY						9. IF TRAFFIC CASE, GIVE APPROXIMATE SPEED OF: a. GOVERNMENT VEHICLE Miles per Hr. b. OTHER VEHICLE Miles per Hr.
10. GIVE THE NAMES AND ADDRESSES OF ANY OTHER WITNESSES TO THE ACCIDENT (If known)						
a. NAMES				b. ADDRESSES (Include ZIP Code)		
WITNESS COM- PLETING THIS FORM	11. HOME ADDRESS (Include ZIP Code)			12. WITNESS (Print Name)		a. HOME TELEPHONE NO.
				Sign here ▶		b. TODAY'S DATE
	13. BUSINESS ADDRESS (Include ZIP Code)					TELEPHONE NO.
14. INDICATE ON THE DIAGRAM BELOW WHAT HAPPENED:						
<div>1. Number Federal vehicle as 1—other vehicle as 2—additional vehicle as 3, and show direction of travel by arrow (Example: → 1 ← 2 ←) 2. Use solid line to show path before accident Broken line after accident</div> <div>3. Show pedestrian by → ○ 4. Show railroad by ++++++ 5. Give names or numbers of streets or highways 6. Indicate north by arrow in this circle ○</div>						



SF 94

- (2) Pages

- Page 2



FILE REFERENCE:

This office has been notified that you witnessed an accident which occurred

It will be helpful if you will answer, as fully as possible, the questions on the other side of this letter. Please read the Privacy Act Statement below.

Your courtesy in complying with this request will be appreciated. An addressed envelope, which requires no postage, is enclosed for your convenience in replying.

Sincerely

Enclosure

Use by the public is voluntary. In compliance with the Privacy Act of 1974, the following information is provided: Solicitation of the information requested on this form is authorized by Title 40 U.S.C. Section 491. Disclosure of the information by a Federal employee is mandatory as it is the first step in the Government's investigation of a motor vehicle accident. The principal purposes for which the information is intended to be used are to provide necessary data for use by legal counsel in legal actions resulting from the accident, and to provide accident information/statistics for use in analyzing accident causes and developing methods of reducing accidents. Routine use of the information may be by Federal, State or local governments or agencies, when relevant to civil, criminal, or regulatory investigations or prosecution.

* U.S.G.P.O.: 1986 - 491-248/20679

STANDARD FORM 94 BACK (REV. 2-83)



Questions?



DD 518

Accident-Identification Card



DD 518



- Purpose
 - Provides any person(s) involved in an accident all the information they require of the operator.



DD 518



- Responsibilities
 - Complete as many copies as required
 - Second party may complete the DD 518 utilizing the:
 - NAVMC 10523 (Trip Ticket)
 - OF-346 (Operators License)



DD 518



- Preparation Instructions
 - Self-explanatory
- Filing
 - The operator will carry several per vehicle while operating
- Disposition
 - Give to all interested parties at the scene of the accident that may require your information



DD 518



- (2) Sided

S/N 0102-LF-000-5180

ACCIDENT - IDENTIFICATION CARD	
<i>(THIS FORM IS SUBJECT TO THE PRIVACY ACT OF 1974 - SEE REVERSE)</i>	
Any correspondence regarding accident should be addressed to:	
MAKE REFERENCE TO	
DATE OF ACCIDENT	
MAKE AND TYPE OF VEHICLE	
REGISTRATION NO	
DRIVER (Last name - first name - initial)	
SSN	GRADE
ORGANIZATION	

DD FORM 518
(10-78)

PREVIOUS EDITION
IS OBSOLETE

(FRONT)

PRIVACY ACT STATEMENT
<i>AUTHORITY: Sec 638a, Title 31, USC and EO 9397.</i>
<i>PRINCIPAL PURPOSE: To provide persons involved in an accident with a DoD owned/ leased vehicle the identity of the person with the authority to act on the matter.</i>
<i>ROUTINE USES: Placed in each vehicle for purpose stated above. When a DoD vehicle is involved in an accident, the driver provides the other party(s) with a properly executed DD Form 518. The SSN is requested because of similarity of names, to further identify the driver of the DoD vehicle.</i>
<i>DISCLOSURE IS VOLUNTARY. No disciplinary action is taken in cases where the SSN is not provided.</i>

(BACK)



SUMMARY



- 91, 94, DD518
 - Purpose
 - Operator Responsibilities
 - Preparation instructions



Questions?



10 min break



Operational Risk Management



WIIFM



- With this class you will be acquainted with the Operational Risk Management program concept, process and how to implement during your daily operations.



OVERVIEW



- Operational Risk Management
 - Concept
 - Terms
 - Process



ORM CONCEPT



ORM CONCEPT



- **Decision making tool**
 - Used by all people at all levels
 - Increase operational effectiveness
 - Anticipating hazards
 - Reducing the potential for loss
 - Increasing probability of a successful mission



ORM CONCEPT



- Increases our ability to make informed decisions, by:
- Providing the best baseline of:
 - Knowledge
 - Experience



ORM CONCEPT



- Minimizing risks to acceptable levels based on mission accomplishment
 - Risk in war > than in peacetime
 - Process is still the same



ORM CONCEPT



- Applying the ORM Concept will:
 - Reduce mishaps
 - Lower costs
 - Provide for more efficient use of resources



ORM TERMS



ORM TERMS

- Hazard - A condition with the potential to cause:
 - Personal injury
 - Death
 - Property damage
 - Mission degradation
- Risk - Expression of possible loss in terms of:
 - Severity
 - Probability



ORM TERMS



- Risk Assessment
 - A process of detecting hazards & Assessing associated risks



ORM TERMS



- Operational Risk Management
 - A process of dealing with risks associated with Military operations, which include:
 - Risk assessment
 - Risk decision making
 - Implementation of effective risk controls



10 min break



ORM PROCESS



ORM PROCESS



- A five step process:
 - Identify hazards
 - Assess hazards
 - Make risk decisions
 - Implement controls
 - Supervise



ORM PROCESS



1) Identify Hazards:

- Outline / chart major steps in the operation
- (Operational analysis)
- Conduct preliminary hazard analysis
- List all hazards associated with each step
- List all causes of those hazards



ORM PROCESS



2) Assess Hazards:

- Each hazard identified
- Determine associated risk
 - Probability
 - Severity



ORM PROCESS



3) Make Risk Decisions:

- Develop risk control options
 - Serious risk first
 - Select controls to reduce risk
 - (Mission accomplishment)
- Controls in place - decide
 - Benefit of operation outweigh risk?
 - Communicate with higher authority
 - Chain of Command



ORM PROCESS



4) Implement Controls

– These are measures that can be implemented to eliminate hazards or reduce the degree of risk.

- Engineering controls
- Administrative controls
- Personal protective equip



ORM PROCESS



- Engineering Controls
 - Engineering methods to reduce risks.
 - Design
 - Material selection
 - Material substitution
 - Technically - feasible
 - Economically



ORM PROCESS



• Administrative Controls

- Reduce risk through specific admin actions.
 - Provide suitable:
 - Warnings
 - Markings
 - Signs
 - Notices
- Establish written:
 - Policies
 - Programs
 - Instructions
 - SOPs



ORM PROCESS



• Administrative Controls

– Train Personnel to:

- Recognize hazards
- Take appropriate actions
- Limit the exposure to a hazard
- Reduce number of personnel/assets
- Length they are exposed



ORM PROCESS



- Personal protective equipment
 - Serves as a barrier between personnel & hazard
 - Used when other controls do not reduce the hazard to an acceptable level



ORM PROCESS



5) Supervise

- Conduct-follow up evaluations of controls to ensure they:
 - Remain in place
 - Have the desired effect
- Continuously monitor for changes and take corrective action when needed



10 min break



LEVELS OF ORM



LEVELS OF ORM



– ORM exists on three levels:

- Time-critical
- Deliberate
- In-depth

– Commander selects which level of ORM depending on:

- Mission
- Situation
- Time available
- Proficiency level
- Assets available



LEVELS OF ORM



Objective of ORM:

- Develop sufficient proficiency in applying the process so that ORM becomes an automatic or intuitive part of our decision making methodology.



LEVELS OF ORM



•Time Critical

- “On the run” mental or oral review of the situation
- Uses the five-step process without recording the information on paper
- Employed by experienced personnel
- Used to consider risks in a time-compressed situation



LEVELS OF ORM



- Normally used:
 - During the execution phase of training or operations
 - In planning during crisis response scenarios
- Helpful in choosing course of action when an unplanned event occurs



LEVELS OF ORM



• Deliberate

– This is the complete application of the five-step process:

- Used for planning an operation or evaluating procedures
- Most effective when conducted in a group



LEVELS OF ORM



• In-Depth

- Deliberate process with a more thorough assessment
 - Research of available data
 - Use of diagram and analysis tools
 - formal testing
 - Long term tracking of the hazards



FOUR PRINCIPALS OF ORM



FOUR PRINCIPLES OF ORM



1) Accept risk when the benefits outweigh the cost

– MCDP, War fighting, states,

“Risk is inherent in war and is involved in every mission. Risk is also related to gain; normally greater potential gain requires greater risk.”



FOUR PRINCIPLES OF ORM



- The goal of ORM is not to eliminate risk, but to manage the risk so that the mission can be accomplished with the minimum amount of loss.



FOUR PRINCIPLES OF ORM



2) Accept no unnecessary risk

MCDP also states,

“We should clearly understand that the acceptance of risk does not equate to the imprudent willingness to gamble...”

- Take only risks necessary to accomplish the mission



FOUR PRINCIPLES OF ORM



3) Anticipate and manage risk by planning

– Controlled easier when identified early



FOUR PRINCIPLES OF ORM



4) Make risk decisions at the right level

- Leader directly responsible for the operation makes risk management decisions
- Critical Elements:
 - Prudence
 - Experience
 - Intuition
 - Situational awareness of leaders



RISK ASSESSMENT MATRIX



RISK ASSESSMENT MATRIX



- Used during the second step of ORM
- Can provide a consistent framework for evaluating work
- Based on:
 - Elements of hazard severity
 - Mishap probability

Risk Management Matrix OPNAVINST 3500.39B		P R O B A B I L I T Y				
		A	B	C	D	
		Likely	Probable	May	Unlikely	
S E V E R I T Y	I Death, Loss of Asset	1	1	2	3	
	II Severe Injury, Damage	1	2	3	4	
	III Minor Injury, Damage	2	3	4	5	
	IV Minimal Threat	3	4	5	5	
		1-Critical	2-Serious	3-Moderate	4-Minor	5-Negligible



RISK ASSESSMENT MATRIX



- Hazard severity:

Assessment of the worst consequence or result of a hazard.

- Severity - potential degree of:

- Injury
- Illness
- Property damage
- Loss of assets (time - \$ - personnel)
- Effect on mission



RISK ASSESSMENT MATRIX



- Hazard severity: Four categories

- Category I

- Death
 - Loss of facility
 - Grave damage to national interests

- Category II:

- Severe injury
 - Property damage
 - Damage to national interests



RISK ASSESSMENT MATRIX



- Hazard severity: Four categories
 - Category III:
 - Minor injury
 - Minor property damage
 - Minor damage to national interests
 - Category IV: Minimal Threat



RISK ASSESSMENT MATRIX



- Mishap Probability:

- Hazard will result in a mishap / loss based on:

- Location
 - Exposure
 - Affected populations
 - Experience
 - Previous information



RISK ASSESSMENT MATRIX



- Mishap Probability: 4 sub-categories
 - Sub-category **A**:
 - Likely to occur immediately or within a short period of time
 - Sub-category **B**:
 - Probably will occur in time
 - Sub-category **C**:
 - May occur in time
 - Sub-category **D**:
 - Unlikely to occur



RISK ASSESSMENT MATRIX



- Risk Assessment Code (RAC). The RAC is an expression of risk which combines the elements of hazards, severity, and mishap probability.
- RAC 1. Critical
- RAC 2. Serious
- RAC 3. Moderate
- RAC 4. Minor
- RAC 5. Negligible



RISK ASSESSMENT MATRIX



Risk Management Matrix		Probability			
		A Likely	B Probabl e	C May	D Unlikel y
Severity	I Death, Loss of Asset	1	1	2	3
	II Severe Injury, Damage	1	2	3	4
	III Minor Injury, Damage	2	3	4	5
	IV Minimal Damage	3	4	5	5



ORM PRACTICAL APPLICATION



Questions?



SUMMARY



- Technical Manuals
- Lubrication orders
- Levels of maintenance
- POL
- Tools
- Records and forms
- ORM



BREAK



10min break